EVS Teataja

Avaldatud 15.06.2021

Ilmub alates 1993. aastast

ISSN 1406-0698

SISUKORD

UUED STANDARDID JA STANDARDILAADSED DOKUMENDID

01 ÜLDKÜSIMUSED. TERMINOLOOGIA. STANDARDIMINE. DOKUMENTATSIOON

EVS-EN ISO 7083:2021

Technical product documentation - Symbols used in technical product documentation - Proportions and dimensions (ISO 7083:2021)

This document specifies the recommended proportions for the symbols used in technical product documentation. It gives recommended dimensions based on the grid related to the line width to be used. This document does not apply to symbols used in process plant documentation, which are covered in ISO 81714-1. The proportions of the symbols are based on the standard heights of lettering given in ISO 3098-1.

Keel: en
Alusdokumendid: ISO 7083:2021; EN ISO 7083:2021
Asendab dokumenti: EVS-EN ISO 7083:1999

03 TEENUSED. ETTEVÕTTE ORGANISEERIMINE, JUHTIMINE JA KVALITEET. HALDUS. TRANSPORT. SOTSIOLOOGIA

EVS-EN 17485:2021

Maintenance - Maintenance within physical asset management - Framework for improving the value of the physical assets through their whole life cycle

This document specifies methods and procedures when applying physical asset management as a framework to take maintenance into account as an influencing factor within an organizations' strategic and tactical decisions on its physical assets, and when applying physical asset management as a framework to maintenance activities. It also specifies the relationship between organizational strategic plan and the maintenance management system at a methodological level and describes the interrelations between maintenance process and all the other physical asset management processes at a procedural level. This document is applicable to managing the physical assets of organizations of all sizes especially organizations producing goods and services with physical assets. It introduces methods and procedures for all the levels and functions of the organizations' management such as corporate planning management, plant management, technical management, production management, financial management, asset management, maintenance management, quality management, etc. The focus of the document is at the asset portfolio and system levels and consists of guidance and recommendations. It does not apply to certification, regulatory, or contractual use. However, if specific documents exist for a particular domain, it is important to also consider those documents.

Keel: en
Alusdokumendid: EN 17485:2021

07 LOODUS- JA RAKENDUSTEADUSED

CEN ISO/TS 12025:2021

Nanomaterials - Quantification of nano-object release from powders by generation of aerosols (ISO/TS 12025:2021)

This document describes methods for the quantification of nano-object release from powders as a result of treatment, ranging from handling to high energy dispersion, by measuring aerosols liberated after a defined aerosolization procedure. Particle number concentration and size distribution of the aerosol are measured and the mass concentration is derived. This document provides information on factors to be considered when selecting among the available methods for powder sampling and treatment procedures and specifies minimum requirements for test sample preparation, test protocol development, measuring particle release and reporting data. In order to characterize the full size range of particles generated, the measurement of nano-objects as well as agglomerates and aggregates is adressed in this document. This document does not include the characterization of particle sizes within the powder. Tribological methods are excluded where direct mechanical friction is applied to grind or abrade the material.

Keel: en
Alusdokumendid: ISO/TS 12025:2021; CEN ISO/TS 12025:2021
Asendab dokumenti: CEN ISO/TS 12025:2015

11 TERVISEHOOLDUS

EVS-EN IEC 61010-2-130:2021

Ohutusnõuded elektrilistele mõõtmis-, juhtimis- ja laboratooriumiseadmetele. Erinõuded seadmetele, mis on mõeldud haridusasutustes lastele kasutamiseks
Safety requirements for electrical equipment for measurement, control, and laboratory use - Particular requirements for equipment intended to be used in educational establishments by children

IEC 61010-2-130:2021 specifies particular safety requirements for the following types of equipment a), b) or c) and their accessories intended to be used in educational establishments by children under the supervision of the responsible body. It specifies general safety requirements for equipment intended to be used in educational establishments by persons between the age of 3 years and the age of 16 years under the supervision of a responsible body. This first edition cancels and replaces IEC TS 62850, published in 2013. This edition includes the following significant technical changes with respect to IEC TS 62850: a) marking and documentation requirements; b) stability and handling requirements.

Keel: en
Alusdokumendid: EN IEC 61010-2-130:2021; IEC 61010-2-130:2021

EVS-EN ISO 17511:2021

In vitro diagnostikameditsiiniseadmed. Nõuded kaliibrimisvahendite, kontrollmaterjalide ja inimpäritolu näidiste metroloogilise jälgitavuse suhtes
In vitro diagnostic medical devices - Requirements for establishing metrological traceability of values assigned to calibrators, trueness control materials and human samples (ISO 17511:2020)

This document specifies technical requirements and documentation necessary to establish metrological traceability of values assigned to calibrators, trueness control materials and human samples for quantities measured by IVD MDs. The human samples are those intended to be measured, as specified for each IVD MD. Metrological traceability of values for quantities in human samples extends to the highest available reference system component, ideally to RMPs and certified reference materials (CRMs). All parties having a role in any of the steps described in a calibration hierarchy for an IVD MD are subject to the requirements described. These parties include but are not limited to manufacturers (of IVD MDs), RMP developers (see ISO 15193), RM producers (see ISO 15194), and reference/calibration laboratories (see ISO 15195) supporting calibration hierarchies for IVD MDs. NOTE 1 Producers of RMs intended for use in standardization or calibration of IVD MDs include commercial and non-commercial organizations producing RMs for use by many end-users of IVD MDs and/or calibration laboratories, or for use by a single end-user medical laboratory, as in the case of a measurement standard (calibrator) intended to be used exclusively for calibration of a laboratory-developed MP. This document is applicable to: a) all IVD MDs that provide measurement results in the form of numeric values, i.e. rational (ratio) and/or differential (interval) scales, and counting scales. b) IVD MDs where the measurement result is reported as a qualitative value established with a ratio of two measurements (i.e. the signal from a specimen being tested and the signal from a RM with a specified concentration or activity at the cut-off), or a counting scale, with corresponding decision threshold(s). This also includes IVD MDs where results are categorized among ordinal categories based on pre-established quantitative intervals for a quantity. c) RMs intended for use as trueness control materials for verification or assessment of calibration of IVD MDs, i.e. some commutable CRMs and some external quality assessment (EQA) materials (if so indicated in the RM's intended use statement). d) IVD MD-specific calibrators and trueness control materials with assigned values, intended to be used together with a specified IVD MD. e) IVD MDs as described in a) and b), where no end-user performed calibration is required (i.e. when the manufacturer performs a factory calibration of the IVD MD). This document is not applicable to: a) calibrators and trueness control materials for IVD MDs which, due to their formulation, are known to have zero amount of measurand; b) control materials that are used only for internal quality control purposes in medical laboratories to assess the imprecision of an IVD MD, either its repeatability or reproducibility, and/or for assessing changes in IVD MD results compared to a previously established calibration condition; c) control materials that are used only for internal quality control purposes in medical laboratories and which are supplied with intervals of suggested acceptable values that are not metrologically traceable to higher order reference system components; d) properties reported as nominal scales and ordinal scales, where no magnitude is involved. NOTE 2 Nominal scales are typically used to report e.g. identity of blood cell types, microorganism types, identity of nucleic acid sequences, identity of urine particles.

Keel: en
Alusdokumendid: ISO 17511:2020; EN ISO 17511:2021
Asendab dokumenti: EVS-EN ISO 17511:2003

EVS-EN ISO 20184-3:2021

Molecular in vitro diagnostic examinations - Specifications for pre-examination processes for frozen tissue - Part 3: Isolated DNA (ISO 20184-3:2021)

This document gives recommendations for the handling, documentation, storage and processing of frozen tissue specimens intended for the examination of isolated DNA during the pre-examination phase before a molecular examination is performed. This document is applicable to any molecular in vitro diagnostic examination performed by medical laboratories and molecular pathology laboratories that evaluate DNA isolated from frozen tissue. It is also intended to be used by laboratory customers, in vitro diagnostics developers and manufacturers, biobanks, institutions and commercial organizations performing biomedical research, and regulatory authorities. Tissues that have undergone chemical stabilization pre-treatment before freezing are not covered in this document. NOTE International, national or regional regulations or requirements can also apply to specific topics covered in this document.

Keel: en
Alusdokumendid: ISO 20184-3:2021; EN ISO 20184-3:2021
Asendab dokumenti: CEN/TS 16826-3:2018

EVS-EN ISO 23118:2021

Molecular in vitro diagnostic examinations - Specifications for pre-examination processes in metabolomics in urine, venous blood serum and plasma (ISO 23118:2021)

This document covers the preanalytical phase and recommends the handling, documentation and processing of urine, venous blood plasma and serum intended for metabolomics analysis. The document is applicable to metabolomics examinations and is of importance to biomedical laboratories, customers of laboratories, in vitro diagnostics developers and manufacturers, institutions and companies performing biomedical research, biobanks, and regulatory authorities. The adoption of the described

procedures for the preanalytical phase make it possible to compare and evaluate the results obtained from metabolic profiling analysis. NOTE International, national or regional regulations or requirements can also apply to specific topics covered in this document.

Keel: en
Alusdokumendid: ISO 23118:2021; EN ISO 23118:2021
Asendab dokumenti: CEN/TS 16945:2016

13 KESKKONNA- JA TERVISEKAITSE. OHUTUS

EVS-EN 50136-3:2013+A1:2021

Alarm systems - Alarm transmission systems and equipment - Part 3: Requirements for Receiving Centre Transceiver (RCT)

This European Standard specifies the minimum equipment requirements for the performance, reliability, resilience, security and safety characteristics of the receiving centre transceiver (RCT) installed in ARC and used in alarm transmission systems. The alarm transmission system requirements and classifications are defined within EN 50136-1. Different types of alarm systems may in addition to alarm messages also send other types of messages, e.g. fault messages and status messages. These messages are also considered to be alarm messages. The term alarm message is used in this broad sense throughout the document. Where application specific standards exist, the RCT should comply with relevant standards called up by that application. The RCT can be either an integrated element of any receiving/annunciation equipment, or a stand-alone device. In either case, the requirements of this European Standard should apply. The function of the RCT is to monitor the ATPs, receive alarm messages, forward alarm messages to one or more AEs and send acknowledgements to the SPTs. Management of the transmission network is not in the scope of this European Standard.

Keel: en
Alusdokumendid: EN 50136-3:2013; EN 50136-3:2013/A1:2021
Konsolideerib dokumenti: EVS-EN 50136-3:2013
Konsolideerib dokumenti: EVS-EN 50136-3:2013/A1:2021

EVS-EN IEC 61243-1:2021

Live working - Voltage detectors - Part 1: Capacitive type to be used for voltages exceeding 1 kV AC

IEC 61243-1:2021 is applicable to portable voltage detectors, with or without built-in power sources, to be used on electrical systems for voltages of 1 kV to 800 kV AC, and frequencies of 50 Hz and/or 60 Hz. This document applies only to voltage detectors of capacitive type used in contact with the bare part to be tested, as a complete device including its insulating element or as a separate device, adaptable to an insulating stick which, as a separate tool, is not covered by this document (see 4.4.2.1 for general design). Other types of voltage detectors are not covered by this document. Self ranging voltage detectors (formally "multi range voltage detectors") are not covered by this document. Some restrictions or formal interdictions on their use are applicable in case of switchgear of IEC 62271 series design, due to insulation coordination, on overhead line systems of electrified railways (see Annex B) and systems without neutral reference. For systems without neutral reference, the insulating level is adapted to the maximum possible voltage to the earth (ground). Products designed and manufactured according to this document contribute to the safety of users provided they are used by persons trained for the work, in accordance with the hot stick working method and the instructions for use. Except where otherwise specified, all the voltages defined in this document refer to values of phase-to-phase voltages of three-phase systems. In other systems, the applicable phase-to-phase or phase-to-earth (ground) voltages are used to determine the operating voltage. This third edition cancels and replaces the second edition published in 2003 and Amend-ment 1:2009. This edition constitutes a technical revision. This edition includes the following significant technical changes with respect to the previous edition: a) The scope is more precise, stating that only bare contact to the part to be tested is reliable for these contact voltage detectors. The rationale is that tests on painted or coated conductors have led to wrong indications, as this non-conductive paint or coat acts as a capacitor with different capacity according to the thickness. This capacity has an effect on the threshold voltage. b) A contact probe is introduced as a new type of non-conductive contact electrode. c) A new type "exclusively outdoor type" has been defined and implemented into the requirements and test procedure. d) A selector for voltage and frequency is allowed if foreseeable misuse is excluded. e) The marking for voltage detectors with low interference voltage has been made more precise. f) The indication groups have been made more precise and requirements and tests for the "ready to operate state" and "stand-by state" added. g) Requirements and tests for electromagnetic compatability have been implemented. h) An example for good electrical connection for the tests is introduced.

Keel: en
Alusdokumendid: IEC 61243-1:2021; EN IEC 61243-1:2021
Asendab dokumenti: EVS-EN 61243-1:2005
Asendab dokumenti: EVS-EN 61243-1:2005/A1:2010

17 METROLOOGIA JA MÕÕTMINE. FÜÜSIKALISED NÄHTUSED

EVS-EN IEC 61326-2-1:2021

Elektrilised mõõtmis-, juhtimis- ja laboratooriumiseadmed. Elektromagnetilise ühilduvuse nõuded. Osa 2-1: Erinõuded. Elektromagnetilise ühilduvuse mõttes kaitsmata rakenduste tundlikkuskatsetus- ja mõõteseadmete katsetamisviisid, käidutingimused ja toimivuskriteeriumid
Electrical equipment for measurement, control and laboratory use - EMC requirements - Part 2-1: Particular requirements - Test configurations, operational conditions and performance criteria for sensitive test and measurement equipment for EMC unprotected applications

IEC 61326:2020 specifies more detailed test configurations, operational conditions and performance criteria for equipment with test and measurement circuits (internal or, external to the equipment, or both) that are not EMC protected for operational and/or functional reasons, as specified by the manufacturer. The manufacturer specifies the environment for which the product is intended to be used and selects the appropriate test level specifications of IEC 61326-1:2020.

Keel: en
Alusdokumendid: IEC 61326-2-1:2020; EN IEC 61326-2-1:2021
Asendab dokumenti: EVS-EN 61326-2-1:2013

EVS-EN IEC 61326-2-2:2021

Elektrilised mõõtmis-, juhtimis- ja laboratooriumiseadmed. Elektromagnetilise ühilduvuse nõuded. Osa 2-2: Erinõuded. Madalpingelistes jaotussüsteemides kasutatavate kantavate katsetus-, mõõte- ja seireseadmete katsetamisviisid, käidutingimused ja toimivuskriteeriumid
Electrical equipment for measurement, control and laboratory use - EMC requirements - Part 2-2: Particular requirements - Test configurations, operational conditions and performance criteria for portable testing, measuring and monitoring equipment used in low-voltage distribution systems

IEC 61326-2-2:2020 specifies more detailed test configurations, operational conditions and performance criteria for equipment covered by Annex A of IEC 61326-1:2020 which is: - used for testing, measuring or monitoring of protective measures in low-voltage distribution systems, and; - powered by battery and/or from the circuit measured, and - portable. Examples of such EUTs include, but are not limited to, voltage detectors, insulation testers, earth continuity testers, earth resistance testers, leakage current clamps, loop impedance testers, “residual-current-device-testers” (RCD-testers) and phase sequence testers as defined in IEC 61557 (all parts).

Keel: en
Alusdokumendid: IEC 61326-2-2:2020; EN IEC 61326-2-2:2021
Asendab dokumenti: EVS-EN 61326-2-2:2013

EVS-EN IEC 61326-2-3:2021

Elektrilised mõõtmis-, juhtimis- ja laboratooriumiseadmed. Elektromagnetilise ühilduvuse nõuded. Osa 2-3: Erinõuded. Sisseehitatud või kaugsignalisatsioonil põhinevate andurite katsetamisviisid, käidutingimused ja toimivuskriteeriumid
Electrical equipment for measurement, control and laboratory use - EMC requirements - Part 2-3: Particular requirements - Test configuration, operational conditions and performance criteria for transducers with integrated or remote signal conditioning

IEC 61326-2-3:2020 specifies more detailed test configurations, operational conditions and performance criteria for transducers with integrated or remote signal conditioning. This document applies only to transducers characterized by their ability to transform, with the aid of an auxiliary energy source, a non-electric quantity to a process-relevant electrical signal, and to output the signal at one or more PORTS. This document includes transducers for electrochemical and biological measured quantities. The transducers covered by this document can be powered by AC or DC voltage and/or by battery or with internal power supply.

Keel: en
Alusdokumendid: IEC 61326-2-3:2020; EN IEC 61326-2-3:2021
Asendab dokumenti: EVS-EN 61326-2-3:2013

EVS-EN IEC 61326-2-4:2021

Elektrilised mõõtmis-, juhtimis- ja laboratooriumiseadmed. Elektromagnetilise ühilduvuse nõuded. Osa 2-4: Erinõuded. Standardile IEC 61557-8 vastavate isolatsiooniseireseadmete ja standardile IEC 61557-9 vastavate isolatsioonirikkele reageerivate seadmete katsetamisviisid, käidutingimused ja toimivuskriteeriumid
Electrical equipment for measurement, control and laboratory use - EMC requirements - Part 2-4: Particular requirements - Test configurations, operational conditions and performance criteria for insulation monitoring devices according to IEC 61557-8 and for equipment for insulation fault location according to IEC 61557-9

IEC 61326-2-4:2020 specifies more detailed test configurations, operational conditions and performance criteria than IEC 61326-1 for equipment for - insulation monitoring according to IEC 61557-8; - insulation fault location according to IEC 61557-9. This applies to insulation monitoring devices and for equipment for insulation fault location systems permanently or semi-permanently connected to the distribution system.

Keel: en
Alusdokumendid: IEC 61326-2-4:2020; EN IEC 61326-2-4:2021
Asendab dokumenti: EVS-EN 61326-2-4:2013

EVS-EN IEC 61326-2-5:2021

Elektrilised mõõtmis-, juhtimis- ja laboratooriumiseadmed. Elektromagnetilise ühilduvuse nõuded. Osa 2-5: Erinõuded. Standardile IEC 61784-1 vastavate andmesiiniliidestega seadmete katsetamisviisid, käidutingimused ja toimivuskriteeriumid
Electrical equipment for measurement, control and laboratory use - EMC requirements - Part 2-5: Particular requirements - Test configurations, operational conditions and performance criteria for field devices with field bus interfaces according to IEC 61784-1

IEC 61326-2-5:2020 treats the particular features for EMC testing of field devices with field bus interfaces. This part of IEC 61326 covers only the field bus interface of the equipment. This part refers only to field devices intended for use in process control and process measuring. In this document, field devices with interfaces according to IEC 61784-1:2019, CP 3/2 and CP 1/1 as defined in IEC 61784 are covered. Other field bus interfaces may be included in future editions of this document.

Keel: en
Alusdokumendid: IEC 61326-2-5:2020; EN IEC 61326-2-5:2021
Asendab dokumenti: EVS-EN 61326-2-5:2013

EVS-EN IEC 61326-2-6:2021

Elektrilised mõõtmis-, juhtimis- ja laboratooriumiseadmed. Elektromagnetilise ühilduvuse nõuded. Osa 2-6: Erinõuded. In vitro diagnostilised (IVD) meditsiiniseadmed
Electrical equipment for measurement, control and laboratory use - EMC requirements - Part 2-6: Particular requirements - In vitro diagnostic (IVD) medical equipment

IEC 61326-2-6:2020 specifies minimum requirements for immunity and emissions regarding electromagnetic compatibility for IN VITRO DIAGNOSTIC (IVD) MEDICAL EQUIPMENT, taking into account the particularities and specific aspects of this electrical equipment and their electromagnetic environment.

Keel: en
Alusdokumendid: IEC 61326-2-6:2020; EN IEC 61326-2-6:2021
Asendab dokumenti: EVS-EN 61326-2-6:2013

19 KATSETAMINE

EVS-EN IEC 61010-2-130:2021

Ohutusnõuded elektrilistele mõõtmis-, juhtimis- ja laboratooriumiseadmetele. Erinõuded seadmetele, mis on mõeldud haridusasutustes lastele kasutamiseks
Safety requirements for electrical equipment for measurement, control, and laboratory use - Particular requirements for equipment intended to be used in educational establishments by children

IEC 61010-2-130:2021 specifies particular safety requirements for the following types of equipment a), b) or c) and their accessories intended to be used in educational establishments by children under the supervision of the responsible body. It specifies general safety requirements for equipment intended to be used in educational establishments by persons between the age of 3 years and the age of 16 years under the supervision of a responsible body. This first edition cancels and replaces IEC TS 62850, published in 2013. This edition includes the following significant technical changes with respect to IEC TS 62850: a) marking and documentation requirements; b) stability and handling requirements.

Keel: en
Alusdokumendid: EN IEC 61010-2-130:2021; IEC 61010-2-130:2021

23 ÜLDKASUTATAVAD HÜDRO- JA PNEUMOSÜSTEEMID JA NENDE OSAD

CEN/TS 1046:2021

Thermoplastics piping and ducting systems - Outside the building structures for gravity and pressurised systems - Trench installation

This document gives the recommended practise for underground open trench installation and commissioning of thermoplastics piping systems to be used for the conveyance of water under pressure (in addition to EN 805) and for the discharge of wastewater under gravity (in addition to EN 1610) . In the field of non-pressure underground drainage and sewerage this is reflected in the marking of products by application code "U" and "UD": - outside the building structure (U); - both buried in ground within the building structure (application area code "D") and outside the building (application area code "UD"). This document covers also installation and/or connections to valves, manholes, inspection chambers, gullies and other ancillary components in piping systems. NOTE 1 Code of practise for pipelines for gas supply is covered by EN 12007-series [21]. NOTE 2 Recommended practices for installation of plastic piping systems for soil and waste discharge within the building structure is

covered by CEN/TR 13801 [12]. NOTE 3 Practices for underground installation of rainwater infiltration and storage attenuation systems are covered by CEN/TR 17179 [13]. NOTE 4 It is assumed that additional recommendations and/or requirements are detailed in the individual product standards. NOTE 5 If non-plastic components are part of the plastic system the manufacturer's instructions should be taken into account. Requirements and instructions concerning commissioning of systems can be found in EN 805 and EN 1610 and the relevant national and/or local regulations. This document gives specific additional recommendations for commissioning relevant for plastic piping systems. Attention is drawn to any relevant local and/or national regulations (e.g. health, safety and hygienic requirements).

Keel: en
Alusdokumendid: CEN/TS 1046:2021
Asendab dokumenti: CEN/TR 1046:2013

EVS-EN 1254-1:2021

Copper and copper alloys - Plumbing fittings - Part 1: Capillary fittings for soldering or brazing to copper tubes

This document specifies product characteristics, assessment methods, compliance criteria of the test results and a designation system for fittings with ends for capillary soldering or capillary brazing for connecting with copper tubes e.g. EN 1057, EN 13348, EN 13349, EN 12735-1, EN 12735-2 etc. For the purposes of joining copper tubes, the fitting ends have a nominal diameter from 6 mm to 108 mm. These fitting ends exist in three forms: end feed fittings, integral solder and integral brazing ring fitting ends. The fittings are designed for a service lifetime up to fifty years. The fittings are used up to the operating temperatures and corresponding maximum operating pressures as indicated in Annex A. This document applies to copper alloy fittings. A non-exhaustive list of these copper alloys is given in CEN/TS 13388. The capillary fittings for soldering or brazing to copper tubes are used with solder alloys in accordance with alloys specified in EN ISO 9453 and brazing alloys in accordance with alloys specified in EN ISO 17672. Adaptor fittings for use with copper tubes may combine capillary soldering or capillary brazing ends with fitting ends defined in the other parts of EN 1254. Capillary fittings for soldering or brazing may also have flanged end connections according to EN 1092-3. Capillary fittings for soldering or brazing may also have a plated or other decorative surface coating. Fittings can be produced by machining, metal forming, casting or fabrication. Products covered by this document are intended to be used in: a) liquid applications: - hot, cold or combined hot and cold water, including systems according to EN 806; - closed heating systems according to EN 12828; - cooling systems; - drainage systems; - fire protection systems including sprinkler systems according to EN 12845; - refrigeration systems; - supply systems for points of consumption with liquid fuels according to EN 12514. b) gas applications: - natural gas and liquefied petroleum gas systems with a maximum operating pressure less than or equal to 5 bar according to EN 1775; - gas line systems with an operating pressure exceeding 0,5 bar for industrial installations and exceeding 5 bar for industrial and non-industrial installations according to EN 15001-1; - compressed air systems; - medical gas systems according to EN ISO 7396; - refrigeration systems.

Keel: en
Alusdokumendid: EN 1254-1:2021
Asendab dokumenti: EVS-EN 1254-1:1999

EVS-EN 1254-2:2021

Copper and copper alloys - Plumbing fittings - Part 2: Compression fittings for use with copper tubes

This document specifies product characteristics, assessment methods, compliance criteria of the test results and a designation system for compression fittings for connecting with copper tubes. Compression fittings exist with sealing elements - metallic and/or non-metallic - called non manipulative (commonly referenced as type A) and without sealing elements, called manipulative (commonly referenced as type B). For the purposes of joining copper tubes, the fitting ends have a nominal diameter from 6 mm to 108 mm. The compression fittings are designed for a service lifetime up to fifty years. The fittings are used up to the operating temperatures and corresponding maximum operating pressures as indicated in Annex A. This document applies to copper alloy fittings. A non-exhaustive list of these copper alloys is given in CEN/TS 13388. Compression fitting ends, Type A, are used with copper tubes to EN 1057 in all material hardness conditions. Compression fittings, Type A, will possibly require an internal support when used with R220 (annealed) copper tube and the manufacturer’s advice should be sought. Compression fitting ends, Type B, are used with R220 (annealed) or R250 (half-hard) copper tube to EN 1057. Compression fittings, Type B, may be used with R290 (hard) copper tube and the manufacturer’s advice should be sought. Adaptor fittings for use with copper tubes may combine compression ends with fitting ends defined in the other parts of EN 1254. Compression fittings for use with copper tubes may also have flanged end connections according to EN 1092-3. Compression fittings for use with copper tubes may also have a plated or other decorative surface coating. Fittings can be produced by machining, metal forming, casting, or fabrication. Products covered by this document are intended to be used in: a) liquid applications: - hot, cold or combined hot and cold water, including systems according to EN 806; - closed heating systems according to EN 12828; - cooling systems. b) drainage systems: - fire protection systems including sprinkler systems according to EN 12845; - supply systems for points of consumption with liquid fuels according to EN 12514. c) gas applications: - natural gas and liquefied petroleum gas systems with a maximum operating pressure less than or equal to 5 bar according to EN 1775; - compressed air systems.

Keel: en
Alusdokumendid: EN 1254-2:2021
Asendab dokumenti: EVS-EN 1254-2:1999

EVS-EN 1254-20:2021

Copper and copper alloys - Plumbing fittings - Part 20: Definitions, thread dimensions, test methods, reference data and supporting information

This document contains definitions, thread dimension, reference data (minimum bore), supporting information (assembling instructions) and describes the test methods referenced by other parts of the EN 1254 series. Thread dimensions comprise: wall thickness at threaded portions of fittings, dimensions of tail pipe ends for swivel fittings, dimensions of gas union connectors,

thread dimensions and thread profile. Test methods comprise: leak tightness under internal hydrostatic pressure, leak tightness under internal pneumatic pressure, integrity of fabricated fitting bodies or having an 'as cast' microstructure, resistance to pull out of joints to metallic tubes, resistance of joints with metallic tube to vibration, resistance of joints to static flexural force, leak tightness of joints under vacuum, the resistance of joints to temperature cycling, detecting non-pressed fitting ends, resistance to stress corrosion, detection of a carbon film on the surface of copper fittings, determination of mean depth of dezincification, resistance of joints to pressure cycling, disconnection and re-use, determining if the diameter and/or the length of engagement of a capillary end is/are within the specified tolerance, determining the minimum length of engagement of an integral solder or brazing ring socket having a formed groove.

Keel: en
Alusdokumendid: EN 1254-20:2021

EVS-EN 1254-3:2021

Copper and copper alloys - Plumbing fittings - Part 3: Compression fittings for use with plastics and multilayer pipes

This document specifies product characteristics, assessment methods, compliance criteria of test results and a designation system for fittings with compression ends for use with plastics and multilayer pipes which are defined in the applicable pipe standard. For the purposes of joining plastics pipes, the fitting ends have a nominal diameter from 6 mm to 160 mm. The fittings are designed for a service lifetime up to fifty years. The compression fittings are used up to the operating temperatures and corresponding maximum operating pressures as indicated in Annex A. This document applies to copper alloy fittings. A non-exhaustive list of these copper alloys is given in CEN/TS 13388. Adaptor fittings for use with plastics and multilayer pipes may combine compression ends with fitting ends defined in the other parts of EN 1254. Compression fittings for use with plastics and multilayer pipes may also have flanged end connections according to EN 1092-3. Compression fittings for use with plastics and multilayer pipes may also have a plated or other decorative surface coating. Fittings can be produced by machining, metal forming, casting, or fabrication. Products covered by this document are intended to be used in: a) liquid applications: - hot, cold or combined hot and cold water, including systems according to EN 806; - closed heating systems according to EN 12828; - cooling systems; - drainage systems; - fire protection systems including sprinkler systems according to EN 12845. b) gas applications (not valid for multilayer pipes): - natural gas and liquefied petroleum gas systems with a maximum operating pressure less than or equal to 5 bar according to EN 1775; - compressed air systems.

Keel: en
Alusdokumendid: EN 1254-3:2021
Asendab dokumenti: EVS-EN 1254-3:1999

EVS-EN 1254-4:2021

Copper and copper alloys - Plumbing fittings - Part 4: Threaded fittings

This document specifies product characteristics, assessment methods, compliance criteria and a designation system for threaded fittings. These threaded ends exist with metallic and with non-metallic sealing elements for the purposes of joining with tubes, pipes, fittings or valves, the threaded ends have a size range from 3,175 mm (1/8") to 101,6 mm (4"). The threaded fittings are designed for a service lifetime up to fifty years. The fittings are used up to the operating temperatures and maximum operating pressures as indicated in Annex A. This document applies to copper alloy fittings. A non-exhaustive list of these copper alloys is given in CEN/TS 13388. Threaded fittings may also have flanged end connections according to EN 1092-3. Threaded fittings may also have a plated or other decorative surface coating. Fittings can be produced by machining, metal forming, casting, or fabrication. Products covered by this document are intended to be used in: a) liquid applications: - hot, cold or combined hot and cold water systems according to EN 806; - closed heating systems according to EN 12828 and cooling systems; - drainage systems; - sprinkler systems according to EN 12845. b) gas applications: - natural gas and liquefied petroleum gas systems with a maximum operating pressure less than or equal to 5 bar according to EN 1775; - compressed air systems.

Keel: en
Alusdokumendid: EN 1254-4:2021
Asendab dokumenti: EVS-EN 1254-4:1999

EVS-EN 1254-5:2021

Copper and copper alloys - Plumbing fittings - Part 5: Capillary fittings with short ends for brazing to copper tubes

This document specifies product characteristics, assessment methods, compliance criteria of the test results and a designation system for capillary fittings with short ends for brazing to copper tubes e.g. EN 1057, EN 13348, EN 13349, EN 12735-1, EN 12735-2, etc. These fitting ends exist in two forms: end feed fittings and integral brazing ring fittings. For the purposes of joining copper tubes, the fitting ends have a nominal diameter from 14,7 mm to 159 mm. The fittings are designed for a service lifetime up to fifty years. The fittings are used up to the operating temperatures and corresponding maximum operating pressures as indicated in Annex A. This document applies to copper alloy fittings. A non-exhaustive list of these copper alloys is given in CEN/TS 13388. The capillary fittings with short ends for brazing to copper tubes are used with brazing alloys in accordance with alloys specified in EN ISO 17672. Not all copper alloys that can be used to manufacture fittings can be brazed and those that can be brazed may require different brazing techniques (guidance is provided in in EN 1254-20:2021, Annex A). Fittings with short ends for capillary brazing may also have threaded end connections. These threaded ends exist with metallic and with non-metallic sealing elements. For the purposes of joining with tubes, pipes, fittings or valves, the threaded ends have a size range from 1/8" to 4". Adaptor fittings for use with copper tubes may combine short ends for capillary brazing with fitting ends defined in the other parts of EN 1254. Capillary fittings with short ends for brazing may also have flanged end connections according to EN 1092-3. Fittings can be produced by machining, metal forming, casting, or fabrication. Products covered by this document are intended to be used in: a) liquid applications: - hot, cold or combined hot and cold water, including systems according to EN 806; - closed heating systems according to EN 12828; - cooling systems; - drainage systems; - fire protection systems including sprinkler systems according to EN 12845; - refrigeration systems; - supply systems for points of consumption with liquid fuels

according to EN 12514. b) gas applications: - natural gas and liquefied petroleum gas systems with a maximum operating pressure less than or equal to 5 bar according to EN 1775;- gas line systems with an operating pressure exceeding 0,5 bar for industrial installations and exceeding 5 bar for industrial and non-industrial installations according to EN 15001-1; - compressed air systems; - medical gas systems according to EN ISO 7396; - refrigeration systems.

Keel: en
Alusdokumendid: EN 1254-5:2021
Asendab dokumenti: EVS-EN 1254-5:1999

EVS-EN 1254-6:2021

Copper and copper alloys - Plumbing fittings - Part 6: Push-fit fittings for use with metallic tubes, plastics and multilayer pipes

This document specifies product characteristics, assessment methods, compliance criteria of test results and a designation system for push-fit fittings for the purpose of joining tubes of copper, plated copper, multilayer pipes and plastics pipes. The fitting ends have a nominal diameter from 6 mm to 54 mm. The fittings are designed for a service lifetime up to fifty years. This document is applicable to push-fit fittings for joining one or more of the following tubes or pipes: - copper tubes to EN 1057. The fittings are used up to the operating temperatures and corresponding maximum operating pressures as indicated in Annex A. This document applies to copper alloy fittings. A non-exhaustive list of these copper alloys is given in CEN/TS 13388. Adaptor fittings may combine push-fit ends with fitting ends defined in the other parts of EN 1254. Push-fit fittings for metallic tubes may also have flanged end connections according to EN 1092-3. Push-fit fittings may also have a plated or other decorative surface coating. Fittings can be produced by machining, metal forming, casting, or fabrication. Products covered by this document are intended to be used in liquid applications: - hot, cold or combined hot and cold water, including systems according to EN 806; - closed heating systems according to EN 12828; - cooling systems; - drainage systems; - fire protection systems including sprinkler systems according to EN 12845.

Keel: en
Alusdokumendid: EN 1254-6:2021
Asendab dokumenti: EVS-EN 1254-6:2012

EVS-EN 1254-7:2021

Copper and copper alloys - Plumbing fittings - Part 7: Press fittings for use with metallic tubes

This document specifies product characteristics, assessment methods, compliance criteria of test results and a designation system for press fittings including their elastomeric seals, for connecting with metallic tubes. The fitting ends have a nominal diameter from 6 mm to 108 mm. The press fittings are designed for a service lifetime up to fifty years. This document is applicable to press fittings for joining one or more of the following tubes: - copper tubes to EN 1057; and - stainless steel tubes to EN 10312; with wall thicknesses and tempers as specified by the manufacturer. The fittings are used up to the operating temperatures and maximum operating pressures as indicated in Annex A. Press fittings are used with tubes with wall thicknesses greater than or equal to the wall thickness given in Annex B, to ensure that tubes can withstand the radial pressing forces involved. This document applies to copper alloy fittings. A non-exhaustive list of these copper alloys is given in CEN/TS 13388. Adaptor fittings for use with copper tubes may combine press ends with fitting ends defined in the other parts of EN 1254. Press fittings for use with metallic tubes may also have flanged end connections according to EN 1092-3. Press fittings for use with metallic tubes may also have a plated or other decorative surface coating. Fittings can be produced by machining, metal forming, casting, or fabrication. Products covered by this document are intended to be used in: a) liquid applications: - hot or cold or combined hot and cold water, including systems according to EN 806; - closed heating systems according to EN 12828; - cooling systems; - drainage systems; - fire protection systems including sprinkler systems according to EN 12845; - supply systems for points of consumption with liquid fuels according to EN 12514. b) gas applications: - natural gas and liquefied petroleum gas systems with a maximum operating pressure less than or equal to 5 bar according to EN 1775; - compressed air systems.

Keel: en
Alusdokumendid: EN 1254-7:2021

EVS-EN 1254-8:2021

Copper and copper alloys - Plumbing fittings - Part 8: Press fittings for use with plastics and multilayer pipes

This document specifies product characteristics, assessment methods, compliance criteria of test results and a designation system for fittings with radial and axial press ends for use with plastics and multilayer pipes. The fitting ends have a nominal diameter from 10 mm to 160 mm. The fittings are designed for a service lifetime up to fifty. This document applies to copper alloy fittings. A non-exhaustive list of these copper alloys is given in CEN/TS 13388. Adaptor fittings for use with plastics and multilayer pipes may combine press ends with fitting ends defined in the other parts of EN 1254. Press fittings for use with plastics and multilayer pipes may also have flanged end connections according to EN 1092-3. Press fittings for use with plastics and multilayer pipes may also have a plated or other decorative surface coating. Fittings can be produced by machining, metal forming, casting, or fabrication. Products covered by this document are intended to be used in: a) liquid applications: - hot, cold or combined hot and cold water, including systems according to EN 806; - closed heating systems according to EN 12828; - cooling systems; - drainage systems; - fire protection systems including sprinkler systems according to EN 12845; - supply systems for points of consumption with liquid fuels according to EN 12514. b) gas applications: - natural gas and liquefied petroleum gas systems with a maximum operating pressure less than or equal to 5 bar according to EN 1775; - compressed air systems.

Keel: en
Alusdokumendid: EN 1254-8:2021
Asendab dokumenti: EVS-EN 1254-8:2012

EVS-EN 13445-1:2021

Leekkuumutuseta surveanumad. Osa 1: Üldine
Unfired pressure vessels - Part 1: General

See dokument määratleb terminid, määratlused, mõõtühikud, sümbolid ja ühikud, mida kasutatakse kogu standardisarja EN 13445 ulatuses, ja annab üldist teavet anumate kavandamise ja tootmise kohta selle standardi kohaselt. See sisaldab ka juhiseid, kuidas standardit kasutada (lisa A), samuti loendit, mis katab kogu standardit (lisa B). See info on suunatud standardisarja EN 13445 kasutaja abistamiseks. See dokument kohaldub leekkuumutuseta surveanumatele, mille maksimaalne lubatud rõhk ületab 0,5 bar, aga seda võib kasutada ka madalamate töörõhkudega anumate, kaasa arvatud vaakum, juures. See dokument ei ole kohaldatav järgmist tüüpi surveanumatele: — needitud konstruktsiooniga anumad; — lamellaarsest malmist või mõnest muust materjalist anumad, mis ei sisaldu standardi osas 2, 6 või 8; — mitmekihilised, plastiliselt jääkpingestatud (autofrettaged) või eelpingestatud anumad. Seda dokumenti saab kohaldada järgmistele surveanumatele, kui võetakse arvesse täiendavaid ja/või alternatiivseid ohuanalüüsidest ja reeglitest või juhenditest tulenevaid spetsiifilisi nõudeid: — transporditavatele mahutitele, — spetsiaalselt tuumaenergia kasutamiseks kavandatud toodetele, — ülekuumenemisohuga surveanumatele. MÄRKUS EN 14222 hõlmab roostevabast terasest valmistatud elektrikatlaid ja neid saab kasutada selliste anumate lisanõuete näitena. Teised Euroopa standardid kohalduvad tööstustorustikele (standardisari EN 13480) ja veetorudega kateldele ning trummelkateldele (standardisari EN 12952 ja standardisari EN 12953).

Keel: en, et
Alusdokumendid: EN 13445-1:2021
Asendab dokumenti: EVS-EN 13445-1:2014/A1:2014
Asendab dokumenti: EVS-EN 13445-1:2014/A2:2018
Asendab dokumenti: EVS-EN 13445-1:2014+A1+A2:2018

EVS-EN 13445-2:2021

Leekkuumutuseta surveanumad. Osa 2: Materjalid
Unfired pressure vessels - Part 2: Materials

See dokument määratleb nõuded terasest toodetele, mida kasutatakse leekkuumutuseta surveanumates. Mõnede mitte terasest metalliliste materjalide, nagu näiteks keragrafiitmalm, alumiinium, nikkel, vask, titaan, nõuded on sõnastatud või sõnastatakse selle dokumendi eraldi osades. Metalliliste materjalide korral, mis ei ole kaetud harmoneeritud materjali standardiga ja mis ei saa tõenäoliselt ka lähitulevikus kaetud, on selles osas või eespool esitatud selle dokumendi osades toodud erireeglid.

Keel: en, et
Alusdokumendid: EN 13445-2:2021
Asendab dokumenti: EVS-EN 13445-2:2014/A1:2016
Asendab dokumenti: EVS-EN 13445-2:2014/A2:2018
Asendab dokumenti: EVS-EN 13445-2:2014/A3:2018
Asendab dokumenti: EVS-EN 13445-2:2014+A1+A2:2018
Asendab dokumenti: EVS-EN 13445-2:2014+A1+A2+A3:2018

EVS-EN ISO 11296-4:2018/A1:2021

Plastics piping systems for renovation of underground non-pressure drainage and sewerage networks - Part 4: Lining with cured-in-place pipes - Amendment 1: Updated definitions, marking requirements and procedure for alternative expression of flexural test results (ISO 11296-4:2018/Amd 1:2021)

Amendment to EN ISO 11296-4:2018

Keel: en
Alusdokumendid: ISO 11296-4:2018/Amd 1:2021; EN ISO 11296-4:2018/A1:2021
Muudab dokumenti: EVS-EN ISO 11296-4:2018

EVS-EN ISO 18119:2018/A1:2021

Gas cylinders - Seamless steel and seamless aluminium-alloy gas cylinders and tubes - Periodic inspection and testing - Amendment 1 (ISO 18119:2018/Amd 1:2021)

Amendment to EN ISO 18119:2018

Keel: en
Alusdokumendid: ISO 18119:2018/Amd 1:2021; EN ISO 18119:2018/A1:2021
Muudab dokumenti: EVS-EN ISO 18119:2018

25 TOOTMISTEHNOLOOGIA

EVS-EN IEC 61326-2-1:2021

Elektrilised mõõtmis-, juhtimis- ja laboratooriumiseadmed. Elektromagnetilise ühilduvuse nõuded. Osa 2-1: Erinõuded. Elektromagnetilise ühilduvuse mõttes kaitsmata rakenduste tundlikkuskatsetus- ja mõõteseadmete katsetamisviisid, käidutingimused ja toimivuskriteeriumid
Electrical equipment for measurement, control and laboratory use - EMC requirements - Part 2-1: Particular requirements - Test configurations, operational conditions and performance criteria for sensitive test and measurement equipment for EMC unprotected applications

IEC 61326:2020 specifies more detailed test configurations, operational conditions and performance criteria for equipment with test and measurement circuits (internal or, external to the equipment, or both) that are not EMC protected for operational and/or functional reasons, as specified by the manufacturer. The manufacturer specifies the environment for which the product is intended to be used and selects the appropriate test level specifications of IEC 61326-1:2020.

Keel: en
Alusdokumendid: IEC 61326-2-1:2020; EN IEC 61326-2-1:2021
Asendab dokumenti: EVS-EN 61326-2-1:2013

EVS-EN IEC 61326-2-2:2021

Elektrilised mõõtmis-, juhtimis- ja laboratooriumiseadmed. Elektromagnetilise ühilduvuse nõuded. Osa 2-2: Erinõuded. Madalpingelistes jaotussüsteemides kasutatavate kantavate katsetus-, mõõte- ja seireseadmete katsetamisviisid, käidutingimused ja toimivuskriteeriumid
Electrical equipment for measurement, control and laboratory use - EMC requirements - Part 2-2: Particular requirements - Test configurations, operational conditions and performance criteria for portable testing, measuring and monitoring equipment used in low-voltage distribution systems

IEC 61326-2-2:2020 specifies more detailed test configurations, operational conditions and performance criteria for equipment covered by Annex A of IEC 61326-1:2020 which is: - used for testing, measuring or monitoring of protective measures in low-voltage distribution systems, and; - powered by battery and/or from the circuit measured, and - portable. Examples of such EUTs include, but are not limited to, voltage detectors, insulation testers, earth continuity testers, earth resistance testers, leakage current clamps, loop impedance testers, “residual-current-device-testers” (RCD-testers) and phase sequence testers as defined in IEC 61557 (all parts).

Keel: en
Alusdokumendid: IEC 61326-2-2:2020; EN IEC 61326-2-2:2021
Asendab dokumenti: EVS-EN 61326-2-2:2013

EVS-EN IEC 61326-2-3:2021

Elektrilised mõõtmis-, juhtimis- ja laboratooriumiseadmed. Elektromagnetilise ühilduvuse nõuded. Osa 2-3: Erinõuded. Sisseehitatud või kaugsignalisatsioonil põhinevate andurite katsetamisviisid, käidutingimused ja toimivuskriteeriumid
Electrical equipment for measurement, control and laboratory use - EMC requirements - Part 2-3: Particular requirements - Test configuration, operational conditions and performance criteria for transducers with integrated or remote signal conditioning

IEC 61326-2-3:2020 specifies more detailed test configurations, operational conditions and performance criteria for transducers with integrated or remote signal conditioning. This document applies only to transducers characterized by their ability to transform, with the aid of an auxiliary energy source, a non-electric quantity to a process-relevant electrical signal, and to output the signal at one or more PORTS. This document includes transducers for electrochemical and biological measured quantities. The transducers covered by this document can be powered by AC or DC voltage and/or by battery or with internal power supply.

Keel: en
Alusdokumendid: IEC 61326-2-3:2020; EN IEC 61326-2-3:2021
Asendab dokumenti: EVS-EN 61326-2-3:2013

EVS-EN IEC 61326-2-4:2021

Elektrilised mõõtmis-, juhtimis- ja laboratooriumiseadmed. Elektromagnetilise ühilduvuse nõuded. Osa 2-4: Erinõuded. Standardile IEC 61557-8 vastavate isolatsiooniseireseadmete ja standardile IEC 61557-9 vastavate isolatsioonirikkele reageerivate seadmete katsetamisviisid, käidutingimused ja toimivuskriteeriumid
Electrical equipment for measurement, control and laboratory use - EMC requirements - Part 2-4: Particular requirements - Test configurations, operational conditions and performance criteria for insulation monitoring devices according to IEC 61557-8 and for equipment for insulation fault location according to IEC 61557-9

IEC 61326-2-4:2020 specifies more detailed test configurations, operational conditions and performance criteria than IEC 61326-1 for equipment for - insulation monitoring according to IEC 61557-8; - insulation fault location according to IEC 61557-9. This applies to insulation monitoring devices and for equipment for insulation fault location systems permanently or semi-permanently connected to the distribution system.

Keel: en
Alusdokumendid: IEC 61326-2-4:2020; EN IEC 61326-2-4:2021
Asendab dokumenti: EVS-EN 61326-2-4:2013

EVS-EN IEC 61326-2-5:2021

Elektrilised mõõtmis-, juhtimis- ja laboratooriumiseadmed. Elektromagnetilise ühilduvuse nõuded. Osa 2-5: Erinõuded. Standardile IEC 61784-1 vastavate andmesiiniliidestega seadmete katsetamisviisid, käidutingimused ja toimivuskriteeriumid
Electrical equipment for measurement, control and laboratory use - EMC requirements - Part 2-5: Particular requirements - Test configurations, operational conditions and performance criteria for field devices with field bus interfaces according to IEC 61784-1

IEC 61326-2-5:2020 treats the particular features for EMC testing of field devices with field bus interfaces. This part of IEC 61326 covers only the field bus interface of the equipment. This part refers only to field devices intended for use in process control and process measuring. In this document, field devices with interfaces according to IEC 61784-1:2019, CP 3/2 and CP 1/1 as defined in IEC 61784 are covered. Other field bus interfaces may be included in future editions of this document.

Keel: en
Alusdokumendid: IEC 61326-2-5:2020; EN IEC 61326-2-5:2021
Asendab dokumenti: EVS-EN 61326-2-5:2013

EVS-EN IEC 61326-2-6:2021

Elektrilised mõõtmis-, juhtimis- ja laboratooriumiseadmed. Elektromagnetilise ühilduvuse nõuded. Osa 2-6: Erinõuded. In vitro diagnostilised (IVD) meditsiiniseadmed
Electrical equipment for measurement, control and laboratory use - EMC requirements - Part 2-6: Particular requirements - In vitro diagnostic (IVD) medical equipment

IEC 61326-2-6:2020 specifies minimum requirements for immunity and emissions regarding electromagnetic compatibility for IN VITRO DIAGNOSTIC (IVD) MEDICAL EQUIPMENT, taking into account the particularities and specific aspects of this electrical equipment and their electromagnetic environment.

Keel: en
Alusdokumendid: IEC 61326-2-6:2020; EN IEC 61326-2-6:2021
Asendab dokumenti: EVS-EN 61326-2-6:2013

EVS-EN IEC 62841-2-3:2021

Käeshoitavad elektrimootoriga tööriistad, transporditavad tööriistad ja muru- ning aiatöömasinad. Ohutus. Osa 2-3: Erinõuded käeshoitavatele lihvmasinatele, ketaslihvpinkidele ja poleerimisseadmetele
Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery - Safety - Part 2-3: Particular requirements for hand-held grinders, disc-type polishers and disc-type sanders

IEC 62841-2-3:2020: applies to hand-held grinders, disc-type polishers and disc-type sanders, including angle, straight and vertical tools, intended for use on various materials except magnesium, with a rated capacity not exceeding 230 mm. For grinders, the rated no-load speed does not exceed a peripheral speed of the accessory of 80 m/s at rated capacity. This standard does not apply to dedicated cut-off machines. This standard does not apply to orbital polishers and orbital sanders. This standard does not apply to die grinders. This Part 2-3 is to be used in conjunction with the first edition of IEC 62841-1:2014. The attention of National Committees is drawn to the fact that equipment manufacturers and testing organizations may need a transitional period following publication of a new, amended or revised IEC publication in which to make products in accordance with the new requirements and to equip themselves for conducting new or revised tests. It is the recommendation of the committee that the content of this publication be adopted for implementation nationally not earlier than 36 months from the date of publication.

Keel: en
Alusdokumendid: EN IEC 62841-2-3:2021; IEC 62841-2-3:2020
Asendab dokumenti: EVS-EN 60745-2-3:2011
Asendab dokumenti: EVS-EN 60745-2-3:2011/A11:2014
Asendab dokumenti: EVS-EN 60745-2-3:2011/A12:2014
Asendab dokumenti: EVS-EN 60745-2-3:2011/A13:2015
Asendab dokumenti: EVS-EN 60745-2-3:2011/A2:2013

EVS-EN IEC 62841-2-3:2021/A11:2021

Käeshoitavad elektrimootoriga tööriistad, transporditavad tööriistad ja muru- ning aiatöömasinad. Ohutus. Osa 2-3: Erinõuded käeshoitavatele lihvmasinatele, ketaslihvpinkidele ja poleerimisseadmetele

Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery - Safety - Part 2-3: Particular requirements for hand-held grinders, disc-type polishers and disc-type sanders

This part of IEC 62841 applies to hand-held grinders, disc-type polishers and disc-type sanders, including angle, straight and vertical tools, intended for use on various materials except magnesium, with a rated capacity not exceeding 230 mm. For grinders, the rated no-load speed does not exceed a peripheral speed of the accessory of 80 m/s at rated capacity.

Keel: en
Alusdokumendid: EN IEC 62841-2-3:2021/A11:2021
Muudab dokumenti: EVS-EN IEC 62841-2-3:2021

EVS-EN ISO 1463:2021

Metallic and oxide coatings - Measurement of coating thickness - Microscopical method (ISO 1463:2021)

This document specifies a method for the measurement of the local thickness of metallic coatings, oxide layers, and porcelain or vitreous enamel coatings, by the microscopical examination of cross-sections using an optical microscope.

Keel: en
Alusdokumendid: ISO 1463:2021; EN ISO 1463:2021
Asendab dokumenti: EVS-EN ISO 1463:2004

EVS-EN ISO 3613:2021

Metallic and other inorganic coatings - Chromate conversion coatings on zinc, cadmium, aluminium-zinc alloys and zinc-aluminium alloys - Test methods (ISO 3613:2021)

This document specifies methods for the determination of — the presence of colourless chromate conversion coatings, — the presence of hexavalent chromium in colourless and coloured coatings on zinc or cadmium or aluminium-zinc (mass fraction of aluminium: 55 %, within a range of 54 % to 56 % mass fraction) and zinc-aluminium (mass fraction of aluminium: 5 %) alloys, — the total chromium content per unit area on zinc and cadmium, — the mass per unit area of both colourless and coloured coatings, — the satisfactory adhesion of chromate conversion coatings, and — the quality of chromate coatings. These methods are applicable to — colourless and coloured chromate conversion coatings containing trivalent and hexavalent chromium in varying proportions and produced by either chemical or electrochemical processes, and — chromate coatings that are free from any supplementary coatings, such as oil, water or solvent-based polymers or wax.

Keel: en
Alusdokumendid: ISO 3613:2021; EN ISO 3613:2021
Asendab dokumenti: EVS-EN ISO 3613:2011

27 ELEKTRI- JA SOOJUSENERGEETIKA

EVS-EN IEC 62934:2021

Grid integration of renewable energy generation - Terms and definitions

IEC 62934:2021 provides terms and definitions in the subject area of grid integration of renewable energy generation. The technical issues of grid integration mainly focus on the issues caused by renewable energy generation with variable sources and/or converter based technology, such as wind power and photovoltaic power generation. Some renewable energy generations such as hydro power and biomass power with a relatively continuously available primary energy source and a rotating generator are conventional sources of generation, and are therefore not covered in this document. The intention of this document is to answer the question "what do the words mean" and not "under what conditions do the terms apply".

Keel: en
Alusdokumendid: IEC 62934:2021; EN IEC 62934:2021

29 ELEKTROTEHNIKA

EVS-EN IEC 60670-1:2021+A11:2021

Elektrilisatarvikute karbid ja ümbrised majapidamis- ja muudes taolistes kohtkindlates elektripaigaldistes. Osa 1: Üldnõuded
Boxes and enclosures for electrical accessories for household and similar fixed electrical installations - Part 1: General requirements (IEC 60670-1:2015)

This part of IEC 60670 applies to boxes, enclosures and parts of enclosures (hereafter called “boxes” and “enclosures”) for electrical accessories with a rated voltage not exceeding 1 000 V a.c. and 1 500 V d.c. intended for household or similar fixed electrical installations, either indoors or outdoors. Boxes and enclosures complying with this standard are suitable for use at ambient temperatures not normally exceeding +40 °C, but their average over a period of 24 h does not exceed +35 °C, with a lower limit of the ambient air temperature of −5 °C. During the installation the temperature may be outside the above temperature range according to the classification of the boxes and the enclosures. This International Standard is intended to apply to boxes and enclosures for electrical accessories within the scope of IEC technical committee 23. This standard may be used as a reference document for other IEC technical committees and subcommittees. A box or an enclosure which is an integral part of an electrical accessory and provides protection for that accessory against external influences (for example mechanical impact, ingress of solid objects or water, etc.) is covered by the relevant standard for such an accessory. This standard does not apply to – ceiling roses; – luminaire supporting couplers; – boxes, enclosures and parts of enclosures

specifically designed to be used for cable trunking and ducting systems complying with IEC 61084 and which are not intended to be installed outside of these systems.

Keel: en
Alusdokumendid: EN IEC 60670-1:2021; IEC 60670-1:2015; EN IEC 60670-1:2021/A11:2021
Konsolideerib dokumenti: EVS-EN IEC 60670-1:2021
Konsolideerib dokumenti: EVS-EN IEC 60670-1:2021/A11:2021

EVS-EN IEC 61243-1:2021

Live working - Voltage detectors - Part 1: Capacitive type to be used for voltages exceeding 1 kV AC

IEC 61243-1:2021 is applicable to portable voltage detectors, with or without built-in power sources, to be used on electrical systems for voltages of 1 kV to 800 kV AC, and frequencies of 50 Hz and/or 60 Hz. This document applies only to voltage detectors of capacitive type used in contact with the bare part to be tested, as a complete device including its insulating element or as a separate device, adaptable to an insulating stick which, as a separate tool, is not covered by this document (see 4.4.2.1 for general design). Other types of voltage detectors are not covered by this document. Self ranging voltage detectors (formally "multi range voltage detectors") are not covered by this document. Some restrictions or formal interdictions on their use are applicable in case of switchgear of IEC 62271 series design, due to insulation coordination, on overhead line systems of electrified railways (see Annex B) and systems without neutral reference. For systems without neutral reference, the insulating level is adapted to the maximum possible voltage to the earth (ground). Products designed and manufactured according to this document contribute to the safety of users provided they are used by persons trained for the work, in accordance with the hot stick working method and the instructions for use. Except where otherwise specified, all the voltages defined in this document refer to values of phase-to-phase voltages of three-phase systems. In other systems, the applicable phase-to-phase or phase-to-earth (ground) voltages are used to determine the operating voltage. This third edition cancels and replaces the second edition published in 2003 and Amend-ment 1:2009. This edition constitutes a technical revision. This edition includes the following significant technical changes with respect to the previous edition: a) The scope is more precise, stating that only bare contact to the part to be tested is reliable for these contact voltage detectors. The rationale is that tests on painted or coated conductors have led to wrong indications, as this non-conductive paint or coat acts as a capacitor with different capacity according to the thickness. This capacity has an effect on the threshold voltage. b) A contact probe is introduced as a new type of non-conductive contact electrode. c) A new type "exclusively outdoor type" has been defined and implemented into the requirements and test procedure. d) A selector for voltage and frequency is allowed if foreseeable misuse is excluded. e) The marking for voltage detectors with low interference voltage has been made more precise. f) The indication groups have been made more precise and requirements and tests for the "ready to operate state" and "stand-by state" added. g) Requirements and tests for electromagnetic compatability have been implemented. h) An example for good electrical connection for the tests is introduced.

Keel: en
Alusdokumendid: IEC 61243-1:2021; EN IEC 61243-1:2021
Asendab dokumenti: EVS-EN 61243-1:2005
Asendab dokumenti: EVS-EN 61243-1:2005/A1:2010

EVS-EN IEC 62040-3:2021

Uninterruptible power systems (UPS) - Part 3: Method of specifying the performance and test requirements

This part of IEC 62040 establishes the performance and test requirements applied to movable, stationary and fixed electronic uninterruptible power systems (UPS) that - are supplied from AC voltage not exceeding 1 000 V, - deliver AC output voltage not exceeding 1 000 V, - incorporate an energy storage device not exceeding 1 500 V DC, and - have a primary function to ensure continuity of load power. This document specifies performance and test requirements of a complete UPS and, where applicable, of individual UPS functional units. Requirements for the individual UPS functional units found in IEC publications listed in the Bibliography apply so far that they are not in contradiction with this document. UPS are developed for a wide range of power, from less than hundred watts to several megawatts, to meet requirements for availability and quality of power to a variety of loads. Refer to Annex A and Annex B for information on typical UPS configurations and topologies. This document also includes UPS performance and test requirements related to UPS switches that interact with UPS functional units to maintain continuity of load power. This document does not cover - conventional AC and DC distribution boards and their associated switches, - stand-alone static transfer systems covered by IEC 62310-3, - rotary UPS covered by IEC 88528-11, and - DC UPS covered by IEC 62040-5-3. NOTE 1 This document recognises that continuity of load power to information technology (IT) equipment represents a major UPS application. The UPS output characteristics specified in this document are therefore also aimed at ensuring compatibility with the requirements of IT equipment. This, subject any limitation stated in the manufacturer’s declaration, includes requirements for steady state and transient voltage variation as well as for the supply of both linear and non-linear load characteristics of IT equipment. NOTE 2 Test loads specified in this document simulate both linear and non-linear load characteristics. Their use permits verification of the performance declared by the manufacturer while minimising complexity and energy consumption during the tests. NOTE 3 This document is aimed at 50 Hz and 60 Hz applications but does not exclude other frequency applications within the domain of IEC 60196. This is subject to an agreement between manufacturer and purchaser with respect to any particular requirements arising.

Keel: en
Alusdokumendid: EN IEC 62040-3:2021; IEC 62040-3:2021
Asendab dokumenti: EVS-EN 62040-3:2011

EVS-EN IEC 62271-106:2021

High-voltage switchgear and controlgear - Part 106: Alternating current contactors, contactor-based controllers and motor-starters

This part of IEC 62271 applies to AC contactors and/or contactor-based controllers and motorstarters designed for indoor installation and operation at frequencies up to and including 60 Hz on systems having voltages above 1 kV and up to and including 24 kV. This document also includes additional requirements for outdoor installations where the equipment is housed in an additional protective enclosure. It is applicable only to three-pole devices for use in three-phase systems, and single-pole devices for use in single-phase systems. Two-pole contactors and starters for use in single-phase systems are subject to agreement between manufacturer and user. Contactors and/or starters dealt with in this document typically do not have adequate short-circuit interruption capability. In this context, this document gives requirements for: - starters associated with separate short-circuit protective devices; - controllers - contactors combined with short-circuit protective devices (SCPD). Contactors intended for closing and opening electric circuits and, if combined with suitable relays, for protecting these circuits against operating overloads are covered in this document. This document is also applicable to the operating devices of contactors and to their auxiliary equipment. Motor-starters intended to start and accelerate motors to normal speed, to ensure continuous operation of motors, to switch off the supply from the motor and to provide means for the protection of motors and associated circuits against operating overloads are dealt with. Motor-starter types included are: - direct-on-line starters; - reversing starters; - two-direction starters; - reduced kVA (voltage) starters; - auto-transformer starters; - rheostatic starters; - reactor starters. This document does not apply to: - circuit-breaker-based motor-starters; - single-pole operation of multi-pole contactors or starters; - two-step auto-transformer starters designed for continuous operation in the starting position; - unbalanced rheostatic rotor starters, i.e. where the resistances do not have the same value in all phases; - equipment designed not only for starting, but also for adjustment of speed; - liquid starters and those of the "liquid-vapour" type; - semiconductor contactors and starters making use of semiconductor contactors in the main circuit; - rheostatic stator starters; - contactors or starters designed for special applications. This document does not deal with components contained in contactors and contactor-based motor-starters, for which individual specifications exist. NOTE 1 Thermal electrical relays are covered by IEC 60255-149. NOTE 2 High-voltage current-limiting fuses are covered by IEC 60282-1 and IEC 60644. NOTE 3 Metal-enclosed switchgear and controlgear for rated voltages above 1 kV and up to and including 52 kV are covered by IEC 62271-200. NOTE 4 Disconnectors and earthing switches are covered by IEC 62271-102. NOTE 5 High-voltage switches above 1 kV and less than 52 kV are covered by IEC 62271-103. The object of this document is to state: a) the characteristics of contactors and starters and associated equipment; b) the conditions with which contactors or starters comply with reference to: 1) their operation and behaviour, 2) their dielectric properties, 3) the degrees of protection provided by their enclosures, where applicable, 4) their construction, 5) for controllers, interactions between the various components, for example SCPD co-ordination; c) the tests intended for confirming that these conditions have been met, and the methods to be adopted for these tests; d) the information to be given with the equipment or in the manufacturer's literature.

Keel: en
Alusdokumendid: IEC 62271-106:2021; EN IEC 62271-106:2021
Asendab dokumenti: EVS-EN 62271-106:2011

EVS-EN IEC 62934:2021

Grid integration of renewable energy generation - Terms and definitions

IEC 62934:2021 provides terms and definitions in the subject area of grid integration of renewable energy generation. The technical issues of grid integration mainly focus on the issues caused by renewable energy generation with variable sources and/or converter based technology, such as wind power and photovoltaic power generation. Some renewable energy generations such as hydro power and biomass power with a relatively continuously available primary energy source and a rotating generator are conventional sources of generation, and are therefore not covered in this document. The intention of this document is to answer the question "what do the words mean" and not "under what conditions do the terms apply".

Keel: en
Alusdokumendid: IEC 62934:2021; EN IEC 62934:2021

31 ELEKTROONIKA

EVS-EN IEC 61076-3-122:2021

Connectors for electrical and electronic equipment - Product requirements - Part 3-122: Detail specification for 8-way, shielded, free and fixed connectors for I/O and data transmission with frequencies up to 500 MHz and current-carrying capacity in industrial environments

IEC 61076-3-122:2021 covers 8-way, shielded, free and fixed rectangular connectors for I/O and data transmission with frequencies up to 500 MHz. It is intended to specify the common dimensions, mechanical, electrical and environmental characteristics and tests for this family of connectors. Connectors complying with this document provide an ingress protection level of IP20; however, they are particularly suited for industrial environments with a high level of vibration. There are two classes of connectors defined in this document, indicated by "class A" and "class B" which are distinguished by some electrical and mechanical characteristics to meet the particular sets of requirements of some industrial applications. Class A meets the requirements defined in Ed.1 of this document. With the two classes A and B, the two codings Type I and II, and the two sets of transmission requirements according to the component categories Cat 5 and Cat 6A as defined in ISO/IEC 11801-1, this document specifies 2 × 2 × 2 = 8 variants. All connectors covered by this document feature a current-carrying capacity beyond the minimum requirement of 0,75 A per pin for an ambient temperature of 60° C as defined in ISO/IEC 11801 1. This second edition cancels and replaces the first edition published in 2017. This edition constitutes a technical revision. This edition includes the following significant technical changes with respect to the previous edition: a) Title modified. b) Introduction of two sets of requirements for connectors of "class A" and "class B" where class A matches the requirements defined in the previous edition. c) Definition of new performance requirements for frequencies up to 500 MHz in addition to the performance requirements up to 100 MHz provided with the previous edition. d) Re-structuring to reflect the commonalities of and differences between connector

Type I and Type II. e) Revision of drawings to clarify some dimensions. e) The derating diagram has been corrected to align it with the upper limiting temperature in the climatic category, with no reduction of performance for the target applications.

Keel: en
Alusdokumendid: IEC 61076-3-122:2021; EN IEC 61076-3-122:2021
Asendab dokumenti: EVS-EN 61076-3-122:2017

EVS-EN IEC 62228-5:2021

Integrated circuits - EMC evaluation of transceivers - Part 5: Ethernet transceivers

This part of IEC 62228 specifies test and measurement methods for EMC evaluation of Ethernet transceiver ICs under network condition. It defines test configurations, test conditions, test signals, failure criteria, test procedures, test setups and test boards. It is applicable for transceiver of the Ethernet systems • 100BASE-T1 according to ISO/IEC/IEEE 8802-3/AMD1; • 100BASE-TX according to ISO/IEC/IEEE 8802-3; • 1000BASE-T1 according to ISO/IEC/IEEE 8802-3/AMD4 and covers • the emission of RF disturbances; • the immunity against RF disturbances; • the immunity against impulses; • the immunity against electrostatic discharges (ESD).

Keel: en
Alusdokumendid: IEC 62228-5:2021; EN IEC 62228-5:2021

33 SIDETEHNIKA

EVS-EN 300 718-1 V2.2.1:2021

Sagedusel 457 kHz töötavad laviiniohvrite detekteerimisseadmed; Saate – vastuvõtu süsteemid; Osa 1. Raadiospektrile juurdepääsu harmoneeritud standard
Avalanche Beacons operating at 457 kHz; Transmitter-receiver systems; Part 1: Harmonised Standard for access to radio spectrum

The present document specifies technical characteristics and methods of measurements for avalanche beacon transmitter-receiver systems operating from 456,9 kHz to 457,1 kHz. The frequency range 456,9 kHz to 457,1 kHz is EU wide harmonised for emergency detections of buried victims and valuable items devices according to (EU) 2019/1345. An avalanche beacon comprises in one unit at least a transmitter/receiver including antenna and battery. NOTE: The relationship between the present document and essential requirements of article 3.2 of Directive 2014/53/EU is given in annex A.

Keel: en
Alusdokumendid: ETSI EN 300 718-1 V2.2.1

EVS-EN 302 296 V2.2.1:2021

Maapealse digitelevisiooni raadiosaatjad; Raadiospektrile juurdepääsu harmoneeritud standard
Digital Terrestrial TV Transmitters; Harmonised Standard for access to radio spectrum

The present document specifies technical characteristics and methods of measurements for digital terrestrial television transmitters as defined in table 1.1 and in table 1.2. The power classification (table 1.1) and emission classification (table 1.2) are combined to define a transmitter category. For example, power classification H and emission classification 0 denote a high power transmitter (category H0) whose OOB emissions comply with a non-critical mask. Table 1.1: Transmitter power classification Power Class; Description; Notes H; High power transmitter; Transmitter with an output power ≥ 25 W operating in the VHF band (174 MHz to 230 MHz) or UHF band (470 MHz to 694 MHz). L; Low power transmitter; Transmitter with an output power < 25 W operating in the VHF band (174 MHz to 230 MHz) or UHF band (470 MHz to 694 MHz). Table 1.2: Transmitter emission classification Emission Classification; Conformance approach; Notes 0; Non-critical mask For high power transmitters, the mask defines the level of the OOB emissions relative to the channel power (dBc). For low power transmitters the mask defines the absolute power limit of the OOB emissions (dBm). The former approach is mandated by RRC-06 (non-critical case) for transmitters subject to coordination. 1; Critical mask; A similar but more stringent approach based on ITU RRC-06 (sensitive case). 2; Non-critical ACLR; A set of ACLR limits defining permitted relative emission levels into adjacent channels. 3 ;Critical ACLR; A set of more stringent ACLR limits defining permitted relative emission levels into adjacent channels. NOTE: The relationship between the present document and essential requirements of article 3.2 of Directive 2014/53/EU is given in annex A.

Keel: en
Alusdokumendid: ETSI EN 302 296 V2.2.1

EVS-EN 303 345-3 V1.1.1:2021

Raadioringhäälingu saatjad; Osa 3. FM raadioringhäälingu saatjad; Raadiospektrile juurdepääsu harmoneeritud standard
Broadcast Sound Receivers; Part 3: FM broadcast sound service; Harmonised Standard for access to radio spectrum

The present document specifies the test signal configuration and the limits for sensitivity, selectivity and blocking for devices that receive FM broadcast sound services. NOTE: The relationship between the present document and essential requirements of article 3.2 of Directive 2014/53/EU is given in annex A.

Keel: en
Alusdokumendid: ETSI EN 303 345-3 V1.1.1

EVS-EN 303 345-4 V1.1.1:2021

Raadioringhäälingu saatjad; Osa 4. DAB raadioringhäälingu saatjad; Raadiospektrile juurdepääsu harmoneeritud standard
Broadcast Sound Receivers; Part 4: DAB broadcast sound service; Harmonised Standard for access to radio spectrum

The present document specifies the test signal configuration and the limits for sensitivity, selectivity and blocking for devices that receive DAB broadcast sound services. NOTE: The relationship between the present document and essential requirements of article 3.2 of Directive 2014/53/EU is given in annex A.

Keel: en
Alusdokumendid: ETSI EN 303 345-4 V1.1.1

EVS-EN 303 347-1 V2.1.1:2021

Ilmaradarid; Raadiospektrile juurdepääsu harmoneeritud standard; Osa 1. Ilmaradar, mis töötab sagedusvahemikus 2700 MHz kuni 2900 MHz (S sagedusribas)
Meteorological Radars; Harmonised Standard for access to radio spectrum; Part 1: Meteorological Radar Sensor operating in the frequency band 2 700 MHz to 2 900 MHz (S band)

The present document specifies technical characteristics and methods of measurements for S-band meteorological radar systems intended for the surveillance and classification of hydrometeors with the following characteristics: • Operating in the following frequency range: - 2 700 MHz to 2 900 MHz. • Utilizing unmodulated pulses or phase/frequency modulated pulses also known as pulse compression. • The maximum output power (PEP) does not exceed 1 MW (i.e. 90 dBm). • The transceiver antenna connection and its feeding RF line use a hollow metallic rectangular waveguide. • The antenna rotates and can be changed in elevation. • The used waveguide is WR284/WG10 waveguide according to IEC 60153-2. • The antenna feed is waveguide based and the antenna is passive. • The orientation of the transmitted field from the antenna can be vertical or horizontal orientated or it can be both simultaneously. • At the transceiver output an RF circulator is used. NOTE 1: Since at the transceiver output an RF circulator is used, it is assumed that the transceiver characteristics remain independent from the antenna. NOTE 2: According to provision 5.423 of the ITU Radio Regulations, ground-based radars used for meteorological purposes in the band 2 700 MHz to 2 900 MHz are authorized to operate on a basis of equality with stations of the aeronautical radio navigation service. NOTE 3: Further technical and operational characteristics of meteorological radar systems can be found in Recommendation ITU-R M.1849-1. NOTE 4: The relationship between the present document and essential requirements of article 3.2 of Directive 2014/53/EU is given in Annex A.

Keel: en
Alusdokumendid: ETSI EN 303 347-1 V2.1.1

EVS-EN 303 347-2 V2.1.1:2021

Ilmaradarid; Raadiospektrile juurdepääsu harmoneeritud standard; Osa 2. Ilmaradar, mis töötab sagedusvahemikus 5250 MHz kuni 5850 MHz (C sagedusribas)
Meteorological Radars; Harmonised Standard for access to radio spectrum; Part 2: Meteorological Radar Sensor operating in the frequency band 5 250 MHz to 5 850 MHz (C band)

The present document specifies technical characteristics and methods of measurements for C-band meteorological radar systems intended for the surveillance and classification of hydrometeors with the following characteristics: • Operating in the following frequency range: - 5 250 MHz to 5 850 MHz. • Utilizing unmodulated pulses or phase/frequency modulated pulses also known as pulse compression. • The maximum output power (PEP) does not exceed 1 MW (i.e. 90 dBm). • The transceiver antenna connection and its feeding RF line use a hollow metallic rectangular waveguide. • The antenna rotates and can be changed in elevation. • The used waveguide is WR187/WG12 waveguide according to IEC 60153-2. • The antenna feed is waveguide based and the antenna is passive. • The orientation of the transmitted field from the antenna can be vertical or horizontal orientated or it can be both simultaneously. • At the transceiver output an RF circulator is used. NOTE 1: Since at the transceiver output an RF circulator is used, it is assumed that the transceiver characteristics remain independent from the antenna. NOTE 2: According to provision 5.452 of the ITU Radio Regulations, ground-based radars used for meteorological purposes in the band 5 600 MHz to 5 650 MHz are authorized to operate on a basis of equality with stations of the maritime radio navigation service. NOTE 3: Further technical and operational characteristics of meteorological radar systems can be found in Recommendation ITU-R M.1849-1. NOTE 4: The relationship between the present document and essential requirements of article 3.2 of Directive 2014/53/EU is given in Annex A.

Keel: en
Alusdokumendid: ETSI EN 303 347-2 V2.1.1

EVS-EN 303 347-3 V2.1.1:2021

Ilmaradarid; Raadiospektrile juurdepääsu harmoneeritud standard; Osa 3. Ilmaradar, mis töötab sagedusvahemikus 9300 MHz kuni 9500 MHz (X sagedusribas)
Meteorological Radars; Harmonised Standard for access to radio spectrum; Part 3: Meteorological Radar Sensor operating in the frequency band 9 300 MHz to 9 500 MHz (X band)

The present document specifies technical characteristics and methods of measurements for X-band meteorological radar systems intended for the surveillance and classification of hydrometeors with the following characteristics: • Operating in the following frequency range: - 9 300 MHz to 9 500 MHz • Utilizing unmodulated pulses or phase/frequency modulated pulses also known as pulse compression. • The maximum output power (PEP) is not greater than 250 kW (i.e. 84 dBm). • The transceiver antenna connection and its feeding RF line use a hollow metallic rectangular waveguide. • The antenna rotates and can be changed in elevation. • The used waveguide is WR90/WG16 waveguide according to IEC 60153-2. • The antenna feed is waveguide based and the antenna is passive. • The orientation of the transmitted field from the antenna can be vertical or

horizontal orientated or it can be both simultaneously. • At the transceiver output an RF circulator is used. NOTE 1: Since at the transceiver output an RF circulator is used, it is assumed that the transceiver characteristics remain independent from the antenna. NOTE 2: According to provision 5.475B of the ITU Radio Regulations, ground-based radars used for meteorological purposes in the band 9 300 MHz to 9 500 MHz have priority over other radiolocation uses. NOTE 3: Further technical and operational characteristics of meteorological radar systems can be found in Recommendation ITU-R M.1849-1. NOTE 4: The relationship between the present document and essential requirements of article 3.2 of Directive 2014/53/EU is given in Annex A.

Keel: en
Alusdokumendid: ETSI EN 303 347-3 V2.1.1

EVS-EN 319 411-2 V2.3.1:2021

Electronic Signatures and Infrastructures (ESI); Policy and security requirements for Trust Service Providers issuing certificates; Part 2: Requirements for trust service providers issuing EU qualified certificates

The present document specifies policy and security requirements for the issuance, maintenance and life-cycle management of EU qualified certificates as defined in Regulation (EU) No 910/2014. These policy and security requirements support reference certificate policies for the issuance, maintenance and life-cycle management of EU qualified certificates issued to natural persons (including natural persons associated with a legal person or a website) and to legal persons (including legal persons associated with a website), respectively. The present document does not specify how the requirements identified can be assessed by an independent party, including requirements for information to be made available to such independent assessors, or requirements on such assessors. NOTE: See ETSI EN 319 403 for guidance on assessment of TSP's processes and services. The present document references ETSI EN 319 411-1 for general requirements on TSP issuing certificates.

Keel: en
Alusdokumendid: ETSI EN 319 411-2 V2.3.1

EVS-EN IEC 60794-1-403:2021

Optical fibre cables - Part 1-403: Generic specification - Basic optical cable test procedures - Electrical test methods - Electrical continuity test of cable metallic elements, method H3

IEC 60794-1-403:2021 specifies a method of verifying that cable metallic elements are electrically continuous throughout the cable. Electrical continuity is important for bonding and grounding, toning for location, and other related system issues, and may represent a "goodness of manufacture" criterion. Typically, the test is one of continuity and carries no resistance or conductivity requirement. The metallic elements can be tested individually or can be tested as a total group. Since this latter criterion is frequently the case, all elements are measured as a group unless specified otherwise. NOTE It is possible detail specifications allow such elements as strength members to be non-continuous throughout the cable. This is a special case, and attention is directed to the detail specification.

Keel: en
Alusdokumendid: IEC 60794-1-403:2021; EN IEC 60794-1-403:2021

EVS-EN IEC 61326-2-1:2021

Elektrilised mõõtmis-, juhtimis- ja laboratooriumiseadmed. Elektromagnetilise ühilduvuse nõuded. Osa 2-1: Erinõuded. Elektromagnetilise ühilduvuse mõttes kaitsmata rakenduste tundlikkuskatsetus- ja mõõteseadmete katsetamisviisid, käidutingimused ja toimivuskriteeriumid
Electrical equipment for measurement, control and laboratory use - EMC requirements - Part 2-1: Particular requirements - Test configurations, operational conditions and performance criteria for sensitive test and measurement equipment for EMC unprotected applications

IEC 61326:2020 specifies more detailed test configurations, operational conditions and performance criteria for equipment with test and measurement circuits (internal or, external to the equipment, or both) that are not EMC protected for operational and/or functional reasons, as specified by the manufacturer. The manufacturer specifies the environment for which the product is intended to be used and selects the appropriate test level specifications of IEC 61326-1:2020.

Keel: en
Alusdokumendid: IEC 61326-2-1:2020; EN IEC 61326-2-1:2021
Asendab dokumenti: EVS-EN 61326-2-1:2013

EVS-EN IEC 61326-2-2:2021

Elektrilised mõõtmis-, juhtimis- ja laboratooriumiseadmed. Elektromagnetilise ühilduvuse nõuded. Osa 2-2: Erinõuded. Madalpingelistes jaotussüsteemides kasutatavate kantavate katsetus-, mõõte- ja seireseadmete katsetamisviisid, käidutingimused ja toimivuskriteeriumid
Electrical equipment for measurement, control and laboratory use - EMC requirements - Part 2-2: Particular requirements - Test configurations, operational conditions and performance criteria for portable testing, measuring and monitoring equipment used in low-voltage distribution systems

IEC 61326-2-2:2020 specifies more detailed test configurations, operational conditions and performance criteria for equipment covered by Annex A of IEC 61326-1:2020 which is: - used for testing, measuring or monitoring of protective measures in low-voltage distribution systems, and; - powered by battery and/or from the circuit measured, and - portable. Examples of such

EUTs include, but are not limited to, voltage detectors, insulation testers, earth continuity testers, earth resistance testers, leakage current clamps, loop impedance testers, “residual-current-device-testers” (RCD-testers) and phase sequence testers as defined in IEC 61557 (all parts).

Keel: en
Alusdokumendid: IEC 61326-2-2:2020; EN IEC 61326-2-2:2021
Asendab dokumenti: EVS-EN 61326-2-2:2013

EVS-EN IEC 61326-2-3:2021

Elektrilised mõõtmis-, juhtimis- ja laboratooriumiseadmed. Elektromagnetilise ühilduvuse nõuded. Osa 2-3: Erinõuded. Sisseehitatud või kaugsignalisatsioonil põhinevate andurite katsetamisviisid, käidutingimused ja toimivuskriteeriumid
Electrical equipment for measurement, control and laboratory use - EMC requirements - Part 2-3: Particular requirements - Test configuration, operational conditions and performance criteria for transducers with integrated or remote signal conditioning

IEC 61326-2-3:2020 specifies more detailed test configurations, operational conditions and performance criteria for transducers with integrated or remote signal conditioning. This document applies only to transducers characterized by their ability to transform, with the aid of an auxiliary energy source, a non-electric quantity to a process-relevant electrical signal, and to output the signal at one or more PORTS. This document includes transducers for electrochemical and biological measured quantities. The transducers covered by this document can be powered by AC or DC voltage and/or by battery or with internal power supply.

Keel: en
Alusdokumendid: IEC 61326-2-3:2020; EN IEC 61326-2-3:2021
Asendab dokumenti: EVS-EN 61326-2-3:2013

EVS-EN IEC 61326-2-4:2021

Elektrilised mõõtmis-, juhtimis- ja laboratooriumiseadmed. Elektromagnetilise ühilduvuse nõuded. Osa 2-4: Erinõuded. Standardile IEC 61557-8 vastavate isolatsiooniseireseadmete ja standardile IEC 61557-9 vastavate isolatsioonirikkele reageerivate seadmete katsetamisviisid, käidutingimused ja toimivuskriteeriumid
Electrical equipment for measurement, control and laboratory use - EMC requirements - Part 2-4: Particular requirements - Test configurations, operational conditions and performance criteria for insulation monitoring devices according to IEC 61557-8 and for equipment for insulation fault location according to IEC 61557-9

IEC 61326-2-4:2020 specifies more detailed test configurations, operational conditions and performance criteria than IEC 61326-1 for equipment for - insulation monitoring according to IEC 61557-8; - insulation fault location according to IEC 61557-9. This applies to insulation monitoring devices and for equipment for insulation fault location systems permanently or semi-permanently connected to the distribution system.

Keel: en
Alusdokumendid: IEC 61326-2-4:2020; EN IEC 61326-2-4:2021
Asendab dokumenti: EVS-EN 61326-2-4:2013

EVS-EN IEC 61326-2-5:2021

Elektrilised mõõtmis-, juhtimis- ja laboratooriumiseadmed. Elektromagnetilise ühilduvuse nõuded. Osa 2-5: Erinõuded. Standardile IEC 61784-1 vastavate andmesiiniliidestega seadmete katsetamisviisid, käidutingimused ja toimivuskriteeriumid
Electrical equipment for measurement, control and laboratory use - EMC requirements - Part 2-5: Particular requirements - Test configurations, operational conditions and performance criteria for field devices with field bus interfaces according to IEC 61784-1

IEC 61326-2-5:2020 treats the particular features for EMC testing of field devices with field bus interfaces. This part of IEC 61326 covers only the field bus interface of the equipment. This part refers only to field devices intended for use in process control and process measuring. In this document, field devices with interfaces according to IEC 61784-1:2019, CP 3/2 and CP 1/1 as defined in IEC 61784 are covered. Other field bus interfaces may be included in future editions of this document.

Keel: en
Alusdokumendid: IEC 61326-2-5:2020; EN IEC 61326-2-5:2021
Asendab dokumenti: EVS-EN 61326-2-5:2013

EVS-EN IEC 61326-2-6:2021

Elektrilised mõõtmis-, juhtimis- ja laboratooriumiseadmed. Elektromagnetilise ühilduvuse nõuded. Osa 2-6: Erinõuded. In vitro diagnostilised (IVD) meditsiiniseadmed
Electrical equipment for measurement, control and laboratory use - EMC requirements - Part 2-6: Particular requirements - In vitro diagnostic (IVD) medical equipment

IEC 61326-2-6:2020 specifies minimum requirements for immunity and emissions regarding electromagnetic compatibility for IN VITRO DIAGNOSTIC (IVD) MEDICAL EQUIPMENT, taking into account the particularities and specific aspects of this electrical equipment and their electromagnetic environment.

Keel: en
Alusdokumendid: IEC 61326-2-6:2020; EN IEC 61326-2-6:2021
Asendab dokumenti: EVS-EN 61326-2-6:2013

EVS-EN IEC 62148-21:2021

Fibre optic active components and devices - Package and interface standards - Part 21: Design guidelines of electrical interface of PIC packages using silicon fine-pitch ball grid array (S-FBGA) and silicon fine-pitch land grid array (S-FLGA)

IEC 62148-21: 2021 covers the design guidelines of the electrical interface for photonic integrated circuit (PIC) packages using silicon fine-pitch ball grid array (S-FBGA) and silicon fine-pitch land grid array (S-FLGA). In this document, the electrical interface for the S-FBGA package is informative. The purpose of this document is to specify adequately the electrical interface of PIC packages composed of optical transmitters and receivers that enable mechanical and electrical interchangeability of PIC packages. This second edition cancels and replaces the first edition published in 2019. This edition constitutes a technical revision. This edition includes the following significant technical change with respect to the previous edition: specification of an electric guard band area around the optical terminal area, so as to allow applications with electric signals at higher symbol rates (e.g. 50 Gbaud and 100 Gbaud).

Keel: en
Alusdokumendid: IEC 62148-21:2021; EN IEC 62148-21:2021
Asendab dokumenti: EVS-EN IEC 62148-21:2019

EVS-EN IEC 62488-3:2021

Power line communication systems for power utility applications - Part 3: Digital Power Line Carrier (DPLC) terminals and hybrid ADPLC terminals

This part of IEC 62488 applies to power line carrier terminals and networks used to transmit information over power networks including extra high, high and medium voltage (EHV/HV/MV) power lines using both digital and optionally analogue modulation systems in a frequency range between 16 kHz and 1 MHz (see also IEC 62488-1). In many countries, power line carrier (PLC) channels represent a significant part of the utilityowned telecommunication system. A circuit normally routed via a PLC channel can also be routed via a channel using a different transmission medium such as point to point radio, optical fibre or open wire circuit. It is therefore important that the input and output interfaces that are used between terminals in the communication system are standardised. The issues requiring consideration of DPLC and/or APLC devices as parts of a telecommunication network can be found in IEC 62488-1. Figure 1 shows the correspondence between the elements needed to implement PLC systems and the related International Standards.

Keel: en
Alusdokumendid: IEC 62488-3:2021; EN IEC 62488-3:2021

43 MAANTEESÕIDUKITE EHITUS

CEN/TR 17653:2021

Cycles - Components and assemblies used in bicycles - Innovative requirements and test methods

The purpose of this document is to provide innovative requirements and test methods applicable to any components and assemblies of any category of bicycles (city, trekking, MTB, young adult and racing). Its aim is to provide technical solutions that reduce the risk of component failure and rider injury during the specified use of such bicycles. This document makes reference to current “state of the art” standards in the field of bicycles, agreed at CEN level through the publication of the EN ISO 4210 series of standards. Therefore, the requirements and tests proposed in this document are intended to be read and applied in accordance with the appropriate EN ISO 4210 standard. NOTE The tests described in this document refer in places to clause numbers from the applicable EN ISO 4210 series.

Keel: en
Alusdokumendid: CEN/TR 17653:2021

53 TÕSTE- JA TEISALDUS-SEADMED

EVS-EN 13001-3-5:2016+A1:2021

Kraanad. Üldine ehitus. Osa 3-5: Sepistatud konksude piirseisundid ja kõlblikkuse tõendamine Cranes - General design - Part 3-5: Limit states and proof of competence of forged and cast hooks

This European Standard is to be used together with EN 13001-1 and EN 13001-2 and, as such, they specify general conditions, requirements and methods to prevent by design and theoretical verification, mechanical hazards in crane hooks. This European Standard covers the following parts of hooks and types of hooks: - bodies of any type of hooks made of steel forgings; - machined shanks of hooks with a thread/nut suspension. Principles of this European Standard can be applied to machined shanks of hooks in general. However, stress concentration factors relevant to designs not given in this standard would have to be determined and applied. NOTE 1 Cast hooks and plate hooks, which are those, assembled of one or several parallel parts of rolled steel plates, are not covered in this European Standard. The following is a list of significant hazardous situations and hazardous events that could result in risks to persons during normal use and foreseeable misuse. Clauses 4 to 8 of this document are necessary to reduce or eliminate the risks associated with the following hazards: a) exceeding the limits of strength (yield, ultimate, fatigue); b) exceeding temperature limits of material. The requirements of this European Standard are stated in the main body of the document and are applicable to forged hook designs in general. The commonly used hook body

and shank designs listed in Annexes A, B and F are only examples and should not be referred to as requirements of this European Standard. Annex I gives guidance for the selection of a hook size, where a hook body is in accordance with Annex A or B. The selection of hook form is not limited to those shown in Annexes A and B. This European Standard is applicable to cranes, which are manufactured after the date of approval of this European Standard by CEN, and serves as a reference base for product standards of particular crane types. NOTE 2 This part of EN 13001 deals only with the limit state method in accordance with EN 13001-1.

Keel: en
Alusdokumendid: EN 13001-3-5:2016+A1:2021
Asendab dokumenti: EVS-EN 13001-3-5:2016

59 TEKSTIILI- JA NAHATEHNOLOOGIA

EVS-EN ISO 18219-1:2021

Leather - Determination of chlorinated hydrocarbons in leather - Part 1: Chromatographic method for short-chain chlorinated paraffins (SCCPs) (ISO 18219-1:2021)

ISO 18219:2015 specifies a chromatographic method to determine the amount of short-chain chlorinated paraffins (SCCP) C10-C13 in processed and unprocessed leathers. Annex A is for information only.

Keel: en
Alusdokumendid: ISO 18219-1:2021; EN ISO 18219-1:2021
Asendab dokumenti: EVS-EN ISO 18219:2015

EVS-EN ISO 18219-2:2021

Leather - Determination of chlorinated hydrocarbons in leather - Part 2: Chromatographic method for middle-chain chlorinated paraffins (MCCPs) (ISO 18219-2:2021)

This International Standard specifies a chromatographic method to determine the amount of middle-chain chlorinated paraffins (MCCP) C14-C17 in processed and unprocessed leather.

Keel: en
Alusdokumendid: ISO 18219-2:2021; EN ISO 18219-2:2021
Asendab dokumenti: EVS-EN ISO 18219:2015

EVS-EN ISO 2313-1:2021

Textiles - Determination of the recovery from creasing of a folded specimen of fabric by measuring the angle of recovery - Part 1: Method of the horizontally folded specimen (ISO 2313-1:2021)

This document specifies a method for determining the angle of recovery of fabrics from creasing. The results obtained by this method for textile fabrics of very different kinds cannot be compared directly.

Keel: en
Alusdokumendid: ISO 2313-1:2021; EN ISO 2313-1:2021
Asendab dokumenti: EVS-EN 22313:2000

EVS-EN ISO 2313-2:2021

Textiles - Determination of the recovery from creasing of a folded specimen of fabric by measuring the angle of recovery - Part 2: Method of the vertically folded specimen (ISO 2313-2:2021)

This document specifies a method for determining crease recovery angle of fabric specimen while placing it in such a way that the folded line is vertical to horizontal plane for a specified time after removal of creasing load. This document is applicable for all kinds of textile fabrics.

Keel: en
Alusdokumendid: ISO 2313-2:2021; EN ISO 2313-2:2021
Asendab dokumenti: EVS-EN 22313:2000

65 PÕLLUMAJANDUS

CEN/TR 12333:2021

Fertilizers - Crushing strength determination on fertilizers grains

This document is applicable to crushing strength measurement as applied to grains of fertilizer obtained in prilling or wet-granulation process. Compacted or crystalline materials were not considered.

Keel: en
Alusdokumendid: CEN/TR 12333:2021
Asendab dokumenti: CR 12333:1996

CEN/TR 14061:2021

Fertilizers - Determination of dust content

This document is applicable to crushing strength measurement as applied to grains of fertilizer obtained in prilling or wet-granulation process. Compacted or crystalline materials were not considered.

Keel: en
Alusdokumendid: CEN/TR 14061:2021
Asendab dokumenti: CR 14061:2000

CEN/TR 14539:2021

Straight ammonium nitrate fertilizers - Comparative study on the determination of porosity (oil retention)

This document gives the results of inter-laboratory testing to compare the accuracy and convenience of the official EC method for porosity measurement (given in Annex B) with two non-standardized alternative methods (given in Annexes C and D) already used in some participating laboratories. Three products, with a porosity between 1 % and 7 %, have been used in the inter-laboratory trials.

Keel: en
Alusdokumendid: CEN/TR 14539:2021
Asendab dokumenti: CR 14539:2002

67 TOIDUAINETE TEHNOLOOGIA

EVS-EN ISO 14501:2021

Milk and milk powder - Determination of aflatoxin M1 content - Clean-up by immunoaffinity chromatography and determination by high-performance liquid chromatography (ISO 14501:2021)

This document specifies a method for the determination of aflatoxin M1 content in milk and milk powder. The lowest level of validation is 0,08 µg/kg for whole milk powder, i.e. 0,008 µg/l for reconstituted liquid milk. The limit of detection (LOD) is 0,05 µg/kg for milk powder and 0,005 µg/kg for liquid milk. The limit of quantification (LOQ) is 0,1 µg/kg for milk powder and 0,01 µg/kg for liquid milk. The method is also applicable to low-fat milk, skimmed milk, low-fat milk powder and skimmed milk powder.

Keel: en
Alusdokumendid: ISO 14501:2021; EN ISO 14501:2021
Asendab dokumenti: EVS-EN ISO 14501:2007

71 KEEMILINE TEHNOLOOGIA

EVS-EN 1018:2021

Chemicals used for treatment of water intended for human consumption - Calcium carbonate

This document is applicable to calcium carbonate used for treatment of water intended for human consumption. It describes the characteristics of calcium carbonate and specifies the requirements and the corresponding test methods for calcium carbonate. It gives information on its use in water treatment.

Keel: en
Alusdokumendid: EN 1018:2021
Asendab dokumenti: EVS-EN 1018:2013+A1:2015

75 NAFTA JA NAFTATEHNOLOOGIA

EVS-EN ISO 16486-5:2021

Plastics piping systems for the supply of gaseous fuels - Unplasticized polyamide (PA-U) piping systems with fusion jointing and mechanical jointing - Part 5: Fitness for purpose of the system (ISO 16486-5:2021)

This part of ISO 16486 specifies the requirements of fitness for purpose of the unplasticized polyamide (PA-U) piping system, intended to be buried and used for the supply of gaseous fuels. It also specifies the definitions of electrofusion and butt fusion joints. This part of ISO 16486 specifies the method of preparation of test piece joints and the tests to be carried out on these joints for assessing the fitness for purpose of the system under normal and extreme conditions. It also specifies the test parameters for the test methods to which it refers. ISO 16486 is applicable to PA-U piping systems the components of which are connected by fusion jointing and/or mechanical jointing. In conjunction with the other parts of ISO 16486, it is applicable to PA-U fittings, their joints and to joints with components of PA-U.

Keel: en
Alusdokumendid: ISO 16486-5:2021; EN ISO 16486-5:2021

EVS-EN ISO 21640:2021

Solid recovered fuels - Specifications and classes (ISO 21640:2021)

This International Standard specifies a classification system for solid recovered fuels (SRF) and a template for the specification of their properties. SRF are produced from non-hazardous waste. Excluded: - untreated municipal solid waste - Solid Biofuels included in the scope of ISO TC238

Keel: en
Alusdokumendid: ISO 21640:2021; EN ISO 21640:2021
Asendab dokumenti: EVS-EN 15359:2011

83 KUMMI- JA PLASTITÖÖSTUS

EVS-EN ISO 14632:2021

Extruded sheets of polyethylene (PE-HD) - Requirements and test methods (ISO 14632:2021)

This document specifies the requirements and test methods for solid flat extruded sheets of polyethylene homopolymers (PE-HD) without fillers or reinforcing materials. This document is applicable only to thicknesses of 0,5 mm to 40 mm. It also applies to PE-HD sheet in rolled form.

Keel: en
Alusdokumendid: ISO 14632:2021; EN ISO 14632:2021
Asendab dokumenti: EVS-EN ISO 14632:2001

EVS-EN ISO 16486-5:2021

Plastics piping systems for the supply of gaseous fuels - Unplasticized polyamide (PA-U) piping systems with fusion jointing and mechanical jointing - Part 5: Fitness for purpose of the system (ISO 16486-5:2021)

This part of ISO 16486 specifies the requirements of fitness for purpose of the unplasticized polyamide (PA-U) piping system, intended to be buried and used for the supply of gaseous fuels. It also specifies the definitions of electrofusion and butt fusion joints. This part of ISO 16486 specifies the method of preparation of test piece joints and the tests to be carried out on these joints for assessing the fitness for purpose of the system under normal and extreme conditions. It also specifies the test parameters for the test methods to which it refers. ISO 16486 is applicable to PA-U piping systems the components of which are connected by fusion jointing and/or mechanical jointing. In conjunction with the other parts of ISO 16486, it is applicable to PA-U fittings, their joints and to joints with components of PA-U.

Keel: en
Alusdokumendid: ISO 16486-5:2021; EN ISO 16486-5:2021

EVS-EN ISO 3219-1:2021

Rheology - Part 1: Vocabulary and symbols for rotational and oscillatory rheometry (ISO 3219-1:2021)

This document specifies general terms and definitions that are used in the context of rotational and oscillatory rheometry. Further terms and definitions can be found in the other parts of the ISO 3219 series where they are used.

Keel: en
Alusdokumendid: ISO 3219-1:2021; EN ISO 3219-1:2021
Asendab dokumenti: EVS-EN ISO 3219:2000

EVS-EN ISO 3219-2:2021

Rheology - Part 2: General principles of rotational and oscillatory rheometry (ISO 3219-2:2021)

This document specifies the general principles of rotational and oscillatory rheometry. Detailed information is presented in Annex A. Further background information is covered in subsequent parts of the ISO 3219 series, which are currently in preparation.

Keel: en
Alusdokumendid: ISO 3219-2:2021; EN ISO 3219-2:2021
Asendab dokumenti: EVS-EN ISO 3219:2000

91 EHITUSMATERJALID JA EHITUS

EVS 920-1:2021

Katuseehitusreeglid. Osa 1: Üldnõuded
Rules for roof building - Part 1: General requirements

Selles Eesti standardis käsitletakse katuseehituse üldiseid termineid, mõjusid ja nõudeid. See standard määratleb üldnõuded katuste projekteerimiseks, ehitamiseks, hooldamiseks ning esitab üldnõuded katuse ehitamisel kasutatavatele toodetele. Standard on kasutamiseks projekteerijatele, ehitajatele, tootjatele ja hoone omanikele. Standard määrab nõuded katustele ja katuse ehitamisel kasutatavatele toodetele nende kasutamiseks tavatingimustes. Standard ei esita nõudeid kõigile katuse tüüpidele ega kõikidele arhitektuurilahendustele. MÄRKUS Selles standardis ei käsitleta vannkatuseid, rippkatuseid, kilekatuseid, tekstiilkatuseid, klaaskatuseid jne.

Keel: et

Asendab dokumenti: EVS 920-1:2013

EVS-EN ISO 11296-4:2018/A1:2021

Plastics piping systems for renovation of underground non-pressure drainage and sewerage networks - Part 4: Lining with cured-in-place pipes - Amendment 1: Updated definitions, marking requirements and procedure for alternative expression of flexural test results (ISO 11296-4:2018/Amd 1:2021)

Amendment to EN ISO 11296-4:2018

Keel: en
Alusdokumendid: ISO 11296-4:2018/Amd 1:2021; EN ISO 11296-4:2018/A1:2021
Muudab dokumenti: EVS-EN ISO 11296-4:2018

93 RAJATISED

CEN/TS 1046:2021

Thermoplastics piping and ducting systems - Outside the building structures for gravity and pressurised systems - Trench installation

This document gives the recommended practise for underground open trench installation and commissioning of thermoplastics piping systems to be used for the conveyance of water under pressure (in addition to EN 805) and for the discharge of wastewater under gravity (in addition to EN 1610) . In the field of non-pressure underground drainage and sewerage this is reflected in the marking of products by application code "U" and "UD": - outside the building structure (U); - both buried in ground within the building structure (application area code "D") and outside the building (application area code "UD"). This document covers also installation and/or connections to valves, manholes, inspection chambers, gullies and other ancillary components in piping systems. NOTE 1 Code of practise for pipelines for gas supply is covered by EN 12007-series [21]. NOTE 2 Recommended practices for installation of plastic piping systems for soil and waste discharge within the building structure is covered by CEN/TR 13801 [12]. NOTE 3 Practices for underground installation of rainwater infiltration and storage attenuation systems are covered by CEN/TR 17179 [13]. NOTE 4 It is assumed that additional recommendations and/or requirements are detailed in the individual product standards. NOTE 5 If non-plastic components are part of the plastic system the manufacturer's instructions should be taken into account. Requirements and instructions concerning commissioning of systems can be found in EN 805 and EN 1610 and the relevant national and/or local regulations. This document gives specific additional recommendations for commissioning relevant for plastic piping systems. Attention is drawn to any relevant local and/or national regulations (e.g. health, safety and hygienic requirements).

Keel: en
Alusdokumendid: CEN/TS 1046:2021
Asendab dokumenti: CEN/TR 1046:2013

EVS-EN ISO 11296-4:2018/A1:2021

Plastics piping systems for renovation of underground non-pressure drainage and sewerage networks - Part 4: Lining with cured-in-place pipes - Amendment 1: Updated definitions, marking requirements and procedure for alternative expression of flexural test results (ISO 11296-4:2018/Amd 1:2021)

Amendment to EN ISO 11296-4:2018

Keel: en
Alusdokumendid: ISO 11296-4:2018/Amd 1:2021; EN ISO 11296-4:2018/A1:2021
Muudab dokumenti: EVS-EN ISO 11296-4:2018

ASENDATUD VÕI TÜHISTATUD EESTI STANDARDID JA STANDARDILAADSED DOKUMENDID

01 ÜLDKÜSIMUSED. TERMINOLOOGIA. STANDARDIMINE. DOKUMENTATSIOON

EVS-EN ISO 7083:1999

Tehnilised joonised. Geomeetrilise tolerantsi tähised. Proportsioonid ja mõõtmed
Technical drawings - Symbols for geometrical tolerancing - Proportions and dimensions

Keel: en
Alusdokumendid: ISO 7083:1983; EN ISO 7083:1994
Asendatud järgmise dokumendiga: EVS-EN ISO 7083:2021
Standardi staatus: Kehtetu

07 LOODUS- JA RAKENDUSTEADUSED

CEN ISO/TS 12025:2015

Nanomaterials - Quantification of nano-object release from powders by generation of aerosols (ISO/TS 12025:2012)

Keel: en
Alusdokumendid: ISO/TS 12025:2012; CEN ISO/TS 12025:2015
Asendatud järgmise dokumendiga: CEN ISO/TS 12025:2021
Standardi staatus: Kehtetu

11 TERVISEHOOLDUS

CEN/TS 16826-3:2018

Molecular in vitro diagnostic examinations - Specifications for pre-examination processes for snap frozen tissue - Part 3: Isolated DNA

Keel: en
Alusdokumendid: CEN/TS 16826-3:2018
Asendatud järgmise dokumendiga: EVS-EN ISO 20184-3:2021
Standardi staatus: Kehtetu

CEN/TS 16945:2016

Molecular in vitro diagnostic examinations - Specifications for pre-examination processes for metabolomics in urine, venous blood serum and plasma

Keel: en
Alusdokumendid: CEN/TS 16945:2016
Asendatud järgmise dokumendiga: EVS-EN ISO 23118:2021
Standardi staatus: Kehtetu

EVS-EN ISO 17511:2003

In vitro kasutatavad diagnostilised meditsiiniseadmed. Bioloogilise materjali mõõtmine. Metroloogiline väärtuste jälgimine vastavalt kaliibritele ja kontrollmaterjalidele (ISO 17511:2003)
In vitro diagnostic medical devices - Measurement of quantities in biological samples - Metrological traceability of values assigned to calibrators and control materials

Keel: en
Alusdokumendid: ISO 17511:2003; EN ISO 17511:2003
Asendatud järgmise dokumendiga: EVS-EN ISO 17511:2021
Standardi staatus: Kehtetu

17 METROLOOGIA JA MÕÕTMINE. FÜÜSIKALISED NÄHTUSED

EVS 891:2008

Töökohtade tehisvalgustuse mõõtmine ja hindamine
Measurement and evaluation of electrical lighting in working places

Keel: et
Standardi staatus: Kehtetu

EVS-EN 61326-2-1:2013

Mõõte-, juhtimis- ja laboratooriumi-elektriseadmed. Elektromagnetilise ühilduvuse nõuded. Osa 2-1: Erinõuded. Elektromagnetilise ühilduvuse mõttes kaitsmata rakenduste tundlikkuskatsetus- ja mõõteseadmete katsetamisviisid, käidutingimused ja toimivuskriteeriumid (IEC 61326-2-1:2012)
Electrical equipment for measurement, control and laboratory use - EMC requirements - Part 2-1: Particular requirements - Test configurations, operational conditions and performance criteria for sensitive test and measurement equipment for EMC unprotected applications (IEC 61326-2-1:2012)

Keel: en
Alusdokumendid: IEC 61326-2-1:2012; EN 61326-2-1:2013
Asendatud järgmise dokumendiga: EVS-EN IEC 61326-2-1:2021
Standardi staatus: Kehtetu

EVS-EN 61326-2-2:2013

Mõõte-, juhtimis- ja laboratooriumi-elektriseadmed. Elektromagnetilise ühilduvuse nõuded. Osa 2-2: Erinõuded. Madalpingelistes jaotussüsteemides kasutatavate kantavate katsetus-, mõõte- ja seireseadmete katsetamisviisid, käidutingimused ja toimivuskriteeriumid (IEC 61326-2-2:2012)
Electrical equipment for measurement, control and laboratory use - EMC requirements - Part 2-2: Particular requirements - Test configurations, operational conditions and performance criteria for portable test, measuring and monitoring equipment used in low-voltage distribution systems (IEC 61326-2-2:2012)

Keel: en
Alusdokumendid: IEC 61326-2-2:2012; EN 61326-2-2:2013
Asendatud järgmise dokumendiga: EVS-EN IEC 61326-2-2:2021
Standardi staatus: Kehtetu

EVS-EN 61326-2-3:2013

Mõõte-, juhtimis- ja laboratooriumi-elektriseadmed. Elektromagnetilise ühilduvuse nõuded. Osa 2-3: Erinõuded. Sisseehitatud või kaugsignalisatsioonil põhinevate andurite katsetamisviisid, käidutingimused ja toimivuskriteeriumid (IEC 61326-2-3:2012)
Electrical equipment for measurement, control and laboratory use - EMC requirements - Part 2-3: Particular requirements - Test configuration, operational conditions and performance criteria for transducers with integrated or remote signal conditioning (IEC 61326-2-3:2012)

Keel: en
Alusdokumendid: IEC 61326-2-3:2012; EN 61326-2-3:2013
Asendatud järgmise dokumendiga: EVS-EN IEC 61326-2-3:2021
Standardi staatus: Kehtetu

EVS-EN 61326-2-4:2013

Mõõtmis-, juhtimis- ja laboratooriumi-elektriseadmed. Elektromagnetilise ühilduvuse nõuded. Osa 2-4: Erinõuded. Standardile IEC 61557-8 vastavate isolatsiooniseireseadmete ja standardile IEC 61557-9 vastavate isolatsioonirikkele reageerivate seadmete katsetusskeemid, talitlustingimused ja talitlusvõimekriteeriumid (IEC 61326-2-4:2012)
Electrical equipment for measurement, control and laboratory use - EMC requirements - Part 2-4: Particular requirements - Test configurations, operational conditions and performance criteria for insulation monitoring devices according to IEC 61557-8 and for equipment for insulation fault location according to IEC 61557-9 (IEC 61326-2-4:2012)

Keel: en
Alusdokumendid: IEC 61326-2-4:2012; EN 61326-2-4:2013
Asendatud järgmise dokumendiga: EVS-EN IEC 61326-2-4:2021
Standardi staatus: Kehtetu

EVS-EN 61326-2-5:2013

Mõõte-, juhtimis- ja laboratooriumi-elektriseadmed. Elektromagnetilise ühilduvuse nõuded. Osa 2-5: Erinõuded. Standardile IEC 61784-1 vastavate andmesiiniliidestega seadmete katsetusskeemid, talitlustingimused ja toimivuskriteeriumid
Electrical equipment for measurement, control and laboratory use - EMC requirements - Part 2-5: Particular requirements - Test configurations, operational conditions and performance criteria for devices with field bus interfaces according to IEC 61784-1 (IEC 61326-2-5:2012)

Keel: en

Alusdokumendid: IEC 61326-2-5:2012; EN 61326-2-5:2013
Asendatud järgmise dokumendiga: EVS-EN IEC 61326-2-5:2021
Standardi staatus: Kehtetu

EVS-EN 61326-2-6:2013

Mõõte-, juhtimis- ja laboratooriumi-elektriseadmed. Elektromagnetilise ühilduvuse nõuded. Osa 2-6: Erinõuded. Meditsiiniseadmete diagnostika in vitro
Electrical equipment for measurement, control and laboratory use - EMC requirements - Part 2-6: Particular requirements - In vitro diagnostic (IVD) medical equipment (IEC 61326-2-6:2012)

Keel: en
Alusdokumendid: IEC 61326-2-6:2012; EN 61326-2-6:2013
Asendatud järgmise dokumendiga: EVS-EN IEC 61326-2-6:2021
Standardi staatus: Kehtetu

EVS-EN ISO 1463:2004

Metall- ja oksiidkatted. Katte paksuse mõõtmine. Mikroskoobimeetod
Metallic and oxide coatings - Measurement of coating thickness - Microscopical method

Keel: en
Alusdokumendid: ISO 1463:2003; EN ISO 1463:2004
Asendatud järgmise dokumendiga: EVS-EN ISO 1463:2021
Standardi staatus: Kehtetu

19 KATSETAMINE

EVS-EN 61326-2-3:2013

Mõõte-, juhtimis- ja laboratooriumi-elektriseadmed. Elektromagnetilise ühilduvuse nõuded. Osa 2-3: Erinõuded. Sisseehitatud või kaugsignalisatsioonil põhinevate andurite katsetamisviisid, käidutingimused ja toimivuskriteeriumid (IEC 61326-2-3:2012)
Electrical equipment for measurement, control and laboratory use - EMC requirements - Part 2-3: Particular requirements - Test configuration, operational conditions and performance criteria for transducers with integrated or remote signal conditioning (IEC 61326-2-3:2012)

Keel: en
Alusdokumendid: IEC 61326-2-3:2012; EN 61326-2-3:2013
Asendatud järgmise dokumendiga: EVS-EN IEC 61326-2-3:2021
Standardi staatus: Kehtetu

EVS-EN 61326-2-4:2013

Mõõtmis-, juhtimis- ja laboratooriumi-elektriseadmed. Elektromagnetilise ühilduvuse nõuded. Osa 2-4: Erinõuded. Standardile IEC 61557-8 vastavate isolatsiooniseireseadmete ja standardile IEC 61557-9 vastavate isolatsioonirikkele reageerivate seadmete katsetusskeemid, talitlustingimused ja talitlusvõimekriteeriumid (IEC 61326-2-4:2012)
Electrical equipment for measurement, control and laboratory use - EMC requirements - Part 2-4: Particular requirements - Test configurations, operational conditions and performance criteria for insulation monitoring devices according to IEC 61557-8 and for equipment for insulation fault location according to IEC 61557-9 (IEC 61326-2-4:2012)

Keel: en
Alusdokumendid: IEC 61326-2-4:2012; EN 61326-2-4:2013
Asendatud järgmise dokumendiga: EVS-EN IEC 61326-2-4:2021
Standardi staatus: Kehtetu

23 ÜLDKASUTATAVAD HÜDRO- JA PNEUMOSÜSTEEMID JA NENDE OSAD

CEN/TR 1046:2013

Thermoplastics piping and ducting systems - Systems outside building structures for the conveyance of water or sewage - Practices for underground installation

Keel: en
Alusdokumendid: CEN/TR 1046:2013
Asendatud järgmise dokumendiga: CEN/TS 1046:2021
Standardi staatus: Kehtetu

EVS-EN 1254-1:1999

Vask ja vasesulamid. Torustikuliitmikud. Osa 1: Kapillaarse pehmejoodise ja kapillaarse kõvajoodise jaoks ettenähtud otsaga liitmikud vasktorude jaoks

Copper and copper alloy - Plumbing fittings - Part 1: Fittings with ends for capillary soldering or capillary brazing to copper tubes

Keel: en
Alusdokumendid: EN 1254-1:1998
Asendatud järgmise dokumendiga: EVS-EN 1254-1:2021
Standardi staatus: Kehtetu

EVS-EN 1254-2:1999

Vask ja vasesulamid. Torustikuliitmikud. Osa 2: Pigistusotsaga liitmikud kasutamiseks vasktorudel
Copper and copper alloys - Plumbing fittings - Part 2: Fittings with compression ends for use with copper tubes

Keel: en
Alusdokumendid: EN 1254-2:1998
Asendatud järgmise dokumendiga: EVS-EN 1254-2:2021
Standardi staatus: Kehtetu

EVS-EN 1254-3:1999

Vask ja vasesulamid. Torustikuliitmikud. Osa 3: Pigistusotsaga liitmikud kasutamiseks plasttorudel
Copper and copper alloys - Plumbing fittings - Part 3: Fittings with compression ends for use with plastics pipes

Keel: en
Alusdokumendid: EN 1254-3:1998
Asendatud järgmise dokumendiga: EVS-EN 1254-3:2021
Standardi staatus: Kehtetu

EVS-EN 1254-4:1999

Vask ja vasesulamid. Torustikuliitmikud. Osa 4: Liitmikud, mille ühe otsa ühendus on kapillaarse või pigistusotsaga
Copper and copper alloys - Plumbing fittings - Part 4: Fittings combining other end connections with capillary or compression ends

Keel: en
Alusdokumendid: EN 1254-4:1998+AC:1999
Asendatud järgmise dokumendiga: EVS-EN 1254-4:2021
Standardi staatus: Kehtetu

EVS-EN 1254-5:1999

Vask ja vasesulamid. Torustikuliitmikud. Osa 5: Lühikese otsaga torustikuliitmikud kapillaarse kõvajoodisega vasktorude jaoks
Copper and copper alloys - Plumbing fittings - Part 5: Fittings with short ends for capillary brazing to copper tubes

Keel: en
Alusdokumendid: EN 1254-5:1998
Asendatud järgmise dokumendiga: EVS-EN 1254-5:2021
Standardi staatus: Kehtetu

EVS-EN 1254-6:2012

Copper and copper alloys - Plumbing fittings - Part 6: Fittings with push-fit ends

Keel: en
Alusdokumendid: EN 1254-6:2012
Asendatud järgmise dokumendiga: EVS-EN 1254-6:2021
Standardi staatus: Kehtetu

EVS-EN 1254-8:2012

Copper and copper alloys - Plumbing fittings - Part 8: Fittings with press ends for use with plastics and multilayer pipes

Keel: en
Alusdokumendid: EN 1254-8:2012
Asendatud järgmise dokumendiga: EVS-EN 1254-8:2021
Standardi staatus: Kehtetu

EVS-EN 13445-1:2014/A1:2014

Leekkuumutuseta surveanumad. Osa 1: Üldine
Unfired pressure vessels - Part 1: General

Keel: en
Alusdokumendid: EN 13445-1:2014/A1:2014
Asendatud järgmise dokumendiga: EVS-EN 13445-1:2021
Konsolideeritud järgmise dokumendiga: EVS-EN 13445-1:2014+A1+A2:2018
Standardi staatus: Kehtetu

EVS-EN 13445-1:2014/A2:2018

Leekkuumutuseta surveanumad. Osa 1: Üldine
Unfired pressure vessels - Part 1: General

Keel: en, et
Alusdokumendid: EN 13445-1:2014/A2:2018
Asendatud järgmise dokumendiga: EVS-EN 13445-1:2021
Konsolideeritud järgmise dokumendiga: EVS-EN 13445-1:2014+A1+A2:2018
Standardi staatus: Kehtetu

EVS-EN 13445-1:2014+A1+A2:2018

Leekkuumutuseta surveanumad. Osa 1: Üldine
Unfired pressure vessels - Part 1: General

Keel: en, et
Alusdokumendid: EN 13445-1:2014/A1:2014; EN 13445-1:2014 V05; EN 13445-1:2014/A2:2018
Asendatud järgmise dokumendiga: EVS-EN 13445-1:2021
Standardi staatus: Kehtetu

EVS-EN 13445-2:2014/A1:2016

Leekkuumutuseta surveanumad. Osa 2: Materjalid
Unfired pressure vessels - Part 2: Materials

Keel: en
Alusdokumendid: EN 13445-2:2014/A1:2016
Asendatud järgmise dokumendiga: EVS-EN 13445-2:2021
Konsolideeritud järgmise dokumendiga: EVS-EN 13445-2:2014+A1+A2:2018
Konsolideeritud järgmise dokumendiga: EVS-EN 13445-2:2014+A1+A2+A3:2018
Standardi staatus: Kehtetu

EVS-EN 13445-2:2014/A2:2018

Leekkuumutuseta surveanumad. Osa 2: Materjalid
Unfired pressure vessels - Part 2: Materials

Keel: en, et
Alusdokumendid: EN 13445-2:2014/A2:2018
Asendatud järgmise dokumendiga: EVS-EN 13445-2:2021
Konsolideeritud järgmise dokumendiga: EVS-EN 13445-2:2014+A1+A2:2018
Konsolideeritud järgmise dokumendiga: EVS-EN 13445-2:2014+A1+A2+A3:2018
Standardi staatus: Kehtetu

EVS-EN 13445-2:2014/A3:2018

Leekkuumutuseta surveanumad. Osa 2: Materjalid
Unfired pressure vessels - Part 2: Materials

Keel: en, et
Alusdokumendid: EN 13445-2:2014/A3:2018
Asendatud järgmise dokumendiga: EVS-EN 13445-2:2021
Konsolideeritud järgmise dokumendiga: EVS-EN 13445-2:2014+A1+A2+A3:2018
Standardi staatus: Kehtetu

EVS-EN 13445-2:2014+A1+A2:2018

Leekkuumutuseta surveanumad. Osa 2: Materjalid
Unfired pressure vessels - Part 2: Materials

Keel: en, et
Alusdokumendid: EN 13445-2:2014/A1:2016; EN 13445-2:2014/A2:2018; EN 13445-2:2014 V05
Asendatud järgmise dokumendiga: EVS-EN 13445-2:2021
Muudetud järgmise dokumendiga: EVS-EN 13445-2:2014/A3:2018
Standardi staatus: Kehtetu

EVS-EN 13445-2:2014+A1+A2+A3:2018

Leekkuumutuseta surveanumad. Osa 2: Materjalid
Unfired pressure vessels - Part 2: Materials

Keel: en, et
Alusdokumendid: EN 13445-2:2014/A1:2016; EN 13445-2:2014/A2:2018; EN 13445-2:2014/A3:2018; EN 13445-2:2014 V05
Asendatud järgmise dokumendiga: EVS-EN 13445-2:2021
Standardi staatus: Kehtetu

25 TOOTMISTEHNOLOOGIA

EVS-EN 60745-2-3:2011

Elektrimootoriga töötavate käeshoitavate tööriistade ohutus. Osa 2-3: Erinõuded lihvmasinatele, ketaslihvpinkidele ja poleerimisseadmetele
Hand-held motor-operated electric tools - Safety Part 2-3: Particular requirements for grinders, polishers and disk-type sanders

Keel: en
Alusdokumendid: IEC 60745-2-3:2006+A1:2010+A1:2010/corr:2011; EN 60745-2-3:2011
Asendatud järgmise dokumendiga: EVS-EN IEC 62841-2-3:2021
Muudetud järgmise dokumendiga: EVS-EN 60745-2-3:2011/A11:2014
Muudetud järgmise dokumendiga: EVS-EN 60745-2-3:2011/A12:2014
Muudetud järgmise dokumendiga: EVS-EN 60745-2-3:2011/A13:2015
Muudetud järgmise dokumendiga: EVS-EN 60745-2-3:2011/A2:2013
Standardi staatus: Kehtetu

EVS-EN 60745-2-3:2011/A11:2014

Elektrimootoriga töötavate käeshoitavate tööriistade ohutus. Osa 2-3: Erinõuded lihvmasinatele, ketaslihvpinkidele ja poleerimisseadmetele
Hand-held motor-operated electric tools - Safety - Part 2-3: Particular requirements for grinders, polishers and disk-type sanders

Keel: en
Alusdokumendid: EN 60745-2-3:2011/A11:2014
Asendatud järgmise dokumendiga: EVS-EN IEC 62841-2-3:2021
Standardi staatus: Kehtetu

EVS-EN 60745-2-3:2011/A12:2014

Elektrimootoriga töötavate käeshoitavate tööriistade ohutus. Osa 2-3: Erinõuded lihvmasinatele, ketaslihvpinkidele ja poleerimisseadmetele
Hand-held motor-operated electric tools - Safety - Part 2-3: Particular requirements for grinders, polishers and disk-type sanders

Keel: en
Alusdokumendid: EN 60745-2-3:2011/A12:2014
Asendatud järgmise dokumendiga: EVS-EN IEC 62841-2-3:2021
Standardi staatus: Kehtetu

EVS-EN 60745-2-3:2011/A13:2015

Elektrimootoriga töötavate käeshoitavate tööriistade ohutus. Osa 2-3: Erinõuded lihvmasinatele, ketaslihvpinkidele ja poleerimisseadmetele
Hand-held motor-operated electric tools - Safety - Part 2-3: Particular requirements for grinders, polishers and disk-type sanders

Keel: en
Alusdokumendid: EN 60745-2-3:2011/A13:2015
Asendatud järgmise dokumendiga: EVS-EN IEC 62841-2-3:2021
Standardi staatus: Kehtetu

EVS-EN 60745-2-3:2011/A2:2013

Hand-held motor-operated electric tools - Safety - Part 2-3: Particular requirements for grinders, polishers and disk-type sanders (IEC 60745-2-3:2006/A2:2012, modified)

Keel: en
Alusdokumendid: IEC 60745-2-3:2006/A2:2012; EN 60745-2-3:2011/A2:2013
Asendatud järgmise dokumendiga: EVS-EN IEC 62841-2-3:2021
Standardi staatus: Kehtetu

EVS-EN 61326-2-1:2013

Mõõte-, juhtimis- ja laboratooriumi-elektriseadmed. Elektromagnetilise ühilduvuse nõuded. Osa 2-1: Erinõuded. Elektromagnetilise ühilduvuse mõttes kaitsmata rakenduste tundlikkuskatsetus- ja mõõteseadmete katsetamisviisid, käidutingimused ja toimivuskriteeriumid (IEC 61326-2-1:2012)
Electrical equipment for measurement, control and laboratory use - EMC requirements - Part 2-1: Particular requirements - Test configurations, operational conditions and performance criteria for sensitive test and measurement equipment for EMC unprotected applications (IEC 61326-2-1:2012)

Keel: en
Alusdokumendid: IEC 61326-2-1:2012; EN 61326-2-1:2013
Asendatud järgmise dokumendiga: EVS-EN IEC 61326-2-1:2021
Standardi staatus: Kehtetu

EVS-EN 61326-2-2:2013

Mõõte-, juhtimis- ja laboratooriumi-elektriseadmed. Elektromagnetilise ühilduvuse nõuded. Osa 2-2: Erinõuded. Madalpingelistes jaotussüsteemides kasutatavate kantavate katsetus-, mõõte- ja seireseadmete katsetamisviisid, käidutingimused ja toimivuskriteeriumid (IEC 61326-2-2:2012)
Electrical equipment for measurement, control and laboratory use - EMC requirements - Part 2-2: Particular requirements - Test configurations, operational conditions and performance criteria for portable test, measuring and monitoring equipment used in low-voltage distribution systems (IEC 61326-2-2:2012)

Keel: en
Alusdokumendid: IEC 61326-2-2:2012; EN 61326-2-2:2013
Asendatud järgmise dokumendiga: EVS-EN IEC 61326-2-2:2021
Standardi staatus: Kehtetu

EVS-EN 61326-2-3:2013

Mõõte-, juhtimis- ja laboratooriumi-elektriseadmed. Elektromagnetilise ühilduvuse nõuded. Osa 2-3: Erinõuded. Sisseehitatud või kaugsignalisatsioonil põhinevate andurite katsetamisviisid, käidutingimused ja toimivuskriteeriumid (IEC 61326-2-3:2012)
Electrical equipment for measurement, control and laboratory use - EMC requirements - Part 2-3: Particular requirements - Test configuration, operational conditions and performance criteria for transducers with integrated or remote signal conditioning (IEC 61326-2-3:2012)

Keel: en
Alusdokumendid: IEC 61326-2-3:2012; EN 61326-2-3:2013
Asendatud järgmise dokumendiga: EVS-EN IEC 61326-2-3:2021
Standardi staatus: Kehtetu

EVS-EN 61326-2-4:2013

Mõõtmis-, juhtimis- ja laboratooriumi-elektriseadmed. Elektromagnetilise ühilduvuse nõuded. Osa 2-4: Erinõuded. Standardile IEC 61557-8 vastavate isolatsiooniseireseadmete ja standardile IEC 61557-9 vastavate isolatsioonirikkele reageerivate seadmete katsetusskeemid, talitlustingimused ja talitlusvõimekriteeriumid (IEC 61326-2-4:2012)
Electrical equipment for measurement, control and laboratory use - EMC requirements - Part 2-4: Particular requirements - Test configurations, operational conditions and performance criteria for insulation monitoring devices according to IEC 61557-8 and for equipment for insulation fault location according to IEC 61557-9 (IEC 61326-2-4:2012)

Keel: en
Alusdokumendid: IEC 61326-2-4:2012; EN 61326-2-4:2013
Asendatud järgmise dokumendiga: EVS-EN IEC 61326-2-4:2021
Standardi staatus: Kehtetu

EVS-EN 61326-2-5:2013

Mõõte-, juhtimis- ja laboratooriumi-elektriseadmed. Elektromagnetilise ühilduvuse nõuded. Osa 2-5: Erinõuded. Standardile IEC 61784-1 vastavate andmesiiniliidestega seadmete katsetusskeemid, talitlustingimused ja toimivuskriteeriumid
Electrical equipment for measurement, control and laboratory use - EMC requirements - Part 2-5: Particular requirements - Test configurations, operational conditions and performance criteria for devices with field bus interfaces according to IEC 61784-1 (IEC 61326-2-5:2012)

Keel: en

Alusdokumendid: IEC 61326-2-5:2012; EN 61326-2-5:2013
Asendatud järgmise dokumendiga: EVS-EN IEC 61326-2-5:2021
Standardi staatus: Kehtetu

EVS-EN 61326-2-6:2013

Mõõte-, juhtimis- ja laboratooriumi-elektriseadmed. Elektromagnetilise ühilduvuse nõuded. Osa 2-6: Erinõuded. Meditsiiniseadmete diagnostika in vitro
Electrical equipment for measurement, control and laboratory use - EMC requirements - Part 2-6: Particular requirements - In vitro diagnostic (IVD) medical equipment (IEC 61326-2-6:2012)

Keel: en
Alusdokumendid: IEC 61326-2-6:2012; EN 61326-2-6:2013
Asendatud järgmise dokumendiga: EVS-EN IEC 61326-2-6:2021
Standardi staatus: Kehtetu

EVS-EN ISO 1463:2004

Metall- ja oksiidkatted. Katte paksuse mõõtmine. Mikroskoobimeetod
Metallic and oxide coatings - Measurement of coating thickness - Microscopical method

Keel: en
Alusdokumendid: ISO 1463:2003; EN ISO 1463:2004
Asendatud järgmise dokumendiga: EVS-EN ISO 1463:2021
Standardi staatus: Kehtetu

EVS-EN ISO 3613:2011

Metallic and other inorganic coatings - Chromate conversion coatings on zinc, cadmium, aluminium-zinc alloys and zinc-aluminium alloys - Test methods (ISO 3613:2010)

Keel: en
Alusdokumendid: ISO 3613:2010; EN ISO 3613:2010
Asendatud järgmise dokumendiga: EVS-EN ISO 3613:2021
Standardi staatus: Kehtetu

29 ELEKTROTEHNIKA

EVS-EN 61243-1:2005

Live working - Voltage detectors Part 1: Capacitive type to be used for voltages exceeding 1 kV a.c.

Keel: en
Alusdokumendid: IEC 61243-1:2003; EN 61243-1:2005
Asendatud järgmise dokumendiga: EVS-EN IEC 61243-1:2021
Muudetud järgmise dokumendiga: EVS-EN 61243-1:2005/A1:2010
Standardi staatus: Kehtetu

EVS-EN 61243-1:2005/A1:2010

Live working - Voltage detectors Part 1: Capacitive type to be used for voltages exceeding 1 kV a.c.

Keel: en
Alusdokumendid: IEC 61243-1:2003/A1:2009; EN 61243-1:2005/A1:2010
Asendatud järgmise dokumendiga: EVS-EN IEC 61243-1:2021
Standardi staatus: Kehtetu

EVS-EN 62040-3:2011

Uninterruptible power systems (UPS) - Part 3: Method of specifying the performance and test requirements

Keel: en
Alusdokumendid: IEC 62040-3:2011; EN 62040-3:2011
Asendatud järgmise dokumendiga: EVS-EN IEC 62040-3:2021
Standardi staatus: Kehtetu

EVS-EN 62271-106:2011

High-voltage switchgear and controlgear - Part 106: Alternating current contactors, contactor-based controllers and motor-starters

Keel: en
Alusdokumendid: IEC 62271-106:2011; EN 62271-106:2011
Asendatud järgmise dokumendiga: EVS-EN IEC 62271-106:2021
Standardi staatus: Kehtetu

31 ELEKTROONIKA

EVS-EN 61076-3-122:2017

Connectors for electrical and electronic equipment - Product requirements - Part 3-122: Detail specification for 8-way, shielded, free and fixed connectors for I/O and Gigabit Ethernet applications in harsh environments

Keel: en
Alusdokumendid: IEC 61076-3-122:2017; EN 61076-3-122:2017
Asendatud järgmise dokumendiga: EVS-EN IEC 61076-3-122:2021
Standardi staatus: Kehtetu

33 SIDETEHNIKA

EVS-EN 61326-2-1:2013

Mõõte-, juhtimis- ja laboratooriumi-elektriseadmed. Elektromagnetilise ühilduvuse nõuded. Osa 2-1: Erinõuded. Elektromagnetilise ühilduvuse mõttes kaitsmata rakenduste tundlikkuskatsetus- ja mõõteseadmete katsetamisviisid, käidutingimused ja toimivuskriteeriumid (IEC 61326-2-1:2012)
Electrical equipment for measurement, control and laboratory use - EMC requirements - Part 2-1: Particular requirements - Test configurations, operational conditions and performance criteria for sensitive test and measurement equipment for EMC unprotected applications (IEC 61326-2-1:2012)

Keel: en
Alusdokumendid: IEC 61326-2-1:2012; EN 61326-2-1:2013
Asendatud järgmise dokumendiga: EVS-EN IEC 61326-2-1:2021
Standardi staatus: Kehtetu

EVS-EN 61326-2-2:2013

Mõõte-, juhtimis- ja laboratooriumi-elektriseadmed. Elektromagnetilise ühilduvuse nõuded. Osa 2-2: Erinõuded. Madalpingelistes jaotussüsteemides kasutatavate kantavate katsetus-, mõõte- ja seireseadmete katsetamisviisid, käidutingimused ja toimivuskriteeriumid (IEC 61326-2-2:2012)
Electrical equipment for measurement, control and laboratory use - EMC requirements - Part 2-2: Particular requirements - Test configurations, operational conditions and performance criteria for portable test, measuring and monitoring equipment used in low-voltage distribution systems (IEC 61326-2-2:2012)

Keel: en
Alusdokumendid: IEC 61326-2-2:2012; EN 61326-2-2:2013
Asendatud järgmise dokumendiga: EVS-EN IEC 61326-2-2:2021
Standardi staatus: Kehtetu

EVS-EN 61326-2-3:2013

Mõõte-, juhtimis- ja laboratooriumi-elektriseadmed. Elektromagnetilise ühilduvuse nõuded. Osa 2-3: Erinõuded. Sisseehitatud või kaugsignalisatsioonil põhinevate andurite katsetamisviisid, käidutingimused ja toimivuskriteeriumid (IEC 61326-2-3:2012)
Electrical equipment for measurement, control and laboratory use - EMC requirements - Part 2-3: Particular requirements - Test configuration, operational conditions and performance criteria for transducers with integrated or remote signal conditioning (IEC 61326-2-3:2012)

Keel: en
Alusdokumendid: IEC 61326-2-3:2012; EN 61326-2-3:2013
Asendatud järgmise dokumendiga: EVS-EN IEC 61326-2-3:2021
Standardi staatus: Kehtetu

EVS-EN 61326-2-4:2013

Mõõtmis-, juhtimis- ja laboratooriumi-elektriseadmed. Elektromagnetilise ühilduvuse nõuded. Osa 2-4: Erinõuded. Standardile IEC 61557-8 vastavate isolatsiooniseireseadmete ja standardile IEC 61557-9 vastavate isolatsioonirikkele reageerivate seadmete katsetusskeemid, talitlustingimused ja talitlusvõimekriteeriumid (IEC 61326-2-4:2012)
Electrical equipment for measurement, control and laboratory use - EMC requirements - Part 2-4: Particular requirements - Test configurations, operational conditions and performance criteria for insulation monitoring devices according to IEC 61557-8 and for equipment for insulation fault location according to IEC 61557-9 (IEC 61326-2-4:2012)

Keel: en
Alusdokumendid: IEC 61326-2-4:2012; EN 61326-2-4:2013
Asendatud järgmise dokumendiga: EVS-EN IEC 61326-2-4:2021
Standardi staatus: Kehtetu

EVS-EN 61326-2-5:2013

Mõõte-, juhtimis- ja laboratooriumi-elektriseadmed. Elektromagnetilise ühilduvuse nõuded. Osa 2-5: Erinõuded. Standardile IEC 61784-1 vastavate andmesiiniliidestega seadmete katsetusskeemid, talitlustingimused ja toimivuskriteeriumid
Electrical equipment for measurement, control and laboratory use - EMC requirements - Part 2-5: Particular requirements - Test configurations, operational conditions and performance criteria for devices with field bus interfaces according to IEC 61784-1 (IEC 61326-2-5:2012)

Keel: en
Alusdokumendid: IEC 61326-2-5:2012; EN 61326-2-5:2013
Asendatud järgmise dokumendiga: EVS-EN IEC 61326-2-5:2021
Standardi staatus: Kehtetu

EVS-EN 61326-2-6:2013

Mõõte-, juhtimis- ja laboratooriumi-elektriseadmed. Elektromagnetilise ühilduvuse nõuded. Osa 2-6: Erinõuded. Meditsiiniseadmete diagnostika in vitro
Electrical equipment for measurement, control and laboratory use - EMC requirements - Part 2-6: Particular requirements - In vitro diagnostic (IVD) medical equipment (IEC 61326-2-6:2012)

Keel: en
Alusdokumendid: IEC 61326-2-6:2012; EN 61326-2-6:2013
Asendatud järgmise dokumendiga: EVS-EN IEC 61326-2-6:2021
Standardi staatus: Kehtetu

EVS-EN IEC 62148-21:2019

Fibre optic active components and devices - Package and interface standards - Part 21: Design guide of electrical interface of PIC packages using Silicon Fine-pitch Ball Grid Array (S-FBGA) and Silicon Fine-pitch Land Grid Array (S-FLGA)

Keel: en
Alusdokumendid: IEC 62148-21:2019; EN IEC 62148-21:2019
Asendatud järgmise dokumendiga: EVS-EN IEC 62148-21:2021
Standardi staatus: Kehtetu

53 TÕSTE- JA TEISALDUS-SEADMED

EVS-EN 13001-3-5:2016

Kraanad. Üldine ehitus. Osa 3-5: Sepistatud konksude piirseisundid ja kõlblikkuse tõendamine
Cranes - General design - Part 3-5: Limit states and proof of competence of forged hooks

Keel: en
Alusdokumendid: EN 13001-3-5:2016
Asendatud järgmise dokumendiga: EVS-EN 13001-3-5:2016+A1:2021
Standardi staatus: Kehtetu

59 TEKSTIILI- JA NAHATEHNOLOOGIA

EVS-EN 22313:2000

Kangasmaterjalid. Tekstiilmaterjali sirgestumise määramine horisontaalselt kokkumurtud proovitüki sirgestusnurga mõõtmise abil
Textile fabrics - Determination of the recovery from creasing of a horizontally folded specimen by measuring the angle of recovery

Keel: en
Alusdokumendid: ISO 2313:1972; EN 22313:1992
Asendatud järgmise dokumendiga: EVS-EN ISO 2313-1:2021
Asendatud järgmise dokumendiga: EVS-EN ISO 2313-2:2021
Standardi staatus: Kehtetu

EVS-EN ISO 18219:2015

Leather - Determination of chlorinated hydrocarbons in leather - Chromatographic method for short-chain chlorinated paraffins (SCCP) (ISO 18219:2015)

Keel: en

Alusdokumendid: ISO 18219:2015; EN ISO 18219:2015
Asendatud järgmise dokumendiga: EVS-EN ISO 18219-1:2021
Asendatud järgmise dokumendiga: EVS-EN ISO 18219-2:2021
Standardi staatus: Kehtetu

65 PÕLLUMAJANDUS

CR 12333:1996
Fertilizers - Crushing strength determination on fertilizers grains

Keel: en
Alusdokumendid: CR 12333:1996
Asendatud järgmise dokumendiga: CEN/TR 12333:2021
Standardi staatus: Kehtetu

CR 14061:2000
Fertilizers - Determination of dust content

Keel: en
Alusdokumendid: CR 14061:2000
Asendatud järgmise dokumendiga: CEN/TR 14061:2021
Standardi staatus: Kehtetu

CR 14539:2002
Straight ammonium nitrate fertilizers - Comparative study on the determination of porosity (oil retention)

Keel: en
Alusdokumendid: CR 14539:2002
Asendatud järgmise dokumendiga: CEN/TR 14539:2021
Standardi staatus: Kehtetu

67 TOIDUAINETE TEHNOLOOGIA

EVS 646:1993
Nisu- ja rukkijahu. Üldjuhend küpsetusomaduste määramiseks
Wheat flour and rye flour - General guidance to the drafting of bread-making test

Keel: et
Alusdokumendid: ISO 6820:1985
Standardi staatus: Kehtetu

EVS 740:1998
Oder. Idanemisenergia määramine
Barley - Determination of germinative energy

Keel: et
Standardi staatus: Kehtetu

EVS-EN ISO 14501:2007
Piim ja piimapulber. Aflatoksiini M1 sisalduse määramine. Puhastamine immunoafiinsuskromatograafia ja määramine kõrgefektiivse vedelikkromatograafia abil
Milk and milk powder - Determination of aflatoxin M1 content - Clean-up by immunoaffinity chromatography and determination by high-performance liquid chromatography

Keel: en
Alusdokumendid: ISO 14501:2007; EN ISO 14501:2007
Asendatud järgmise dokumendiga: EVS-EN ISO 14501:2021
Standardi staatus: Kehtetu

71 KEEMILINE TEHNOLOOGIA

EVS-EN 1018:2013+A1:2015
Chemicals used for treatment of water intended for human consumption - Calcium carbonate

Keel: en
Alusdokumendid: EN 1018:2013+A1:2015
Asendatud järgmise dokumendiga: EVS-EN 1018:2021
Standardi staatus: Kehtetu

75 NAFTA JA NAFTATEHNOLOOGIA

EVS-EN 15359:2011
Tahkejäätmekütused. Spetsifikatsioonid ja klassid
Solid recovered fuels - Specifications and classes

Keel: en
Alusdokumendid: EN 15359:2011
Asendatud järgmise dokumendiga: EVS-EN ISO 21640:2021
Standardi staatus: Kehtetu

83 KUMMI- JA PLASTITÖÖSTUS

EVS-EN ISO 14632:2001
Extruded sheets of polyethylen (PE-HD) - Requirements and test methods

Keel: en
Alusdokumendid: ISO 14632:1998; EN ISO 14632:1998
Asendatud järgmise dokumendiga: EVS-EN ISO 14632:2021
Standardi staatus: Kehtetu

EVS-EN ISO 3219:2000
Plastid. Polümeerid/vaigud vedelas olekus või emulsioonidena või disperssete süsteemidena. Viskoossuse määramine rotatsioonviskosimeetriga, mille nihkekiirus on kindlaks määratud
Plastics - Polymers/resins in the liquid state or as emulsions or dispersions - Determination of viscosity using a rotational viscometer with defined shear rate

Keel: en
Alusdokumendid: ISO 3219:1993 + Cor.:1994; EN ISO 3219:1994 + AC:1994
Asendatud järgmise dokumendiga: EVS-EN ISO 3219-1:2021
Asendatud järgmise dokumendiga: EVS-EN ISO 3219-2:2021
Standardi staatus: Kehtetu

91 EHITUSMATERJALID JA EHITUS

EVS 891:2008
Töökohtade tehisvalgustuse mõõtmine ja hindamine
Measurement and evaluation of electrical lighting in working places

Keel: et
Standardi staatus: Kehtetu

EVS 920-1:2013
Katuseehitusreeglid. Osa 1: Üldreeglid
Requirements for roof building. Part 1: General rules

Keel: et
Asendatud järgmise dokumendiga: EVS 920-1:2021
Muudetud järgmise dokumendiga: EVS 920-1:2013/prA1
Standardi staatus: Kehtetu

93 RAJATISED

CEN/TR 1046:2013
Thermoplastics piping and ducting systems - Systems outside building structures for the conveyance of water or sewage - Practices for underground installation

Keel: en
Alusdokumendid: CEN/TR 1046:2013
Asendatud järgmise dokumendiga: CEN/TS 1046:2021
Standardi staatus: Kehtetu

STANDARDIKAVANDITE ARVAMUSKÜSITLUS

Selleks, et tagada standardite vastuvõtmine, järgides konsensuse põhimõtteid, peab standardite vastuvõtmisele eelnema standardikavandite avalik arvamusküsitlus, milleks ettenähtud perioodi jooksul (üldjuhul 60 päeva) on asjast huvitatuil võimalik tutvuda standardikavanditega, esitada kommentaare ning teha ettepanekuid parandusteks. Eriti on oodatud teave, kui rahvusvahelist või Euroopa standardikavandit ei peaks vastu võtma Eesti standardiks (vastuolu Eesti õigusaktidega, pole Eestis rakendatav jt põhjustel).

Arvamusküsitlusele esitatakse Euroopa ja rahvusvahelised standardikavandid, mis on kavas üle võtta Eesti standarditeks, ja Eesti algupärased standardikavandid ning algupäraste tehniliste spetsifikatsioonide ja juhendite kavandid.

Iga arvamusküsitlusel oleva kavandi kohta on esitatud alljärgnev informatsioon:
• tähis;
• pealkiri;
• käsitlusala;
• keel (en = inglise; et = eesti);
• Euroopa või rahvusvahelise alusdokumendi tähis, selle olemasolul;
• asendusseos, selle olemasolul;
• arvamuste esitamise tähtaeg.

Kavanditega saab tutvuda ja kommentaare esitada Eesti Standardimis- ja Akrediteerimiskeskuse veebilehel asuvas kommenteerimisportaalis: https://www.evs.ee/kommenteerimisportaal/

Igal kuul uuendatav teave eestikeelsena avaldatavate Eesti standardite kohta, sh eeldatavad kommenteerimise ja avaldamise tähtpäevad, on leitav Eesti Standardimis- ja Akrediteerimiskeskuse veebilehel avaldatavast standardimisprogrammist.

01 ÜLDKÜSIMUSED. TERMINOLOOGIA. STANDARDIMINE. DOKUMENTATSIOON

prEN 16263-1
Pyrotechnic articles - Other pyrotechnic articles - Part 1: Terminology

This document defines various terms relating to the design, construction, performances, labelling and testing of other pyrotechnic articles as defined by Directive 2013/29/EU on the placing on the market of pyrotechnic articles (except pyrotechnic articles for vehicles, cartridges for powder actuated tools and ignition devices).

Keel: en
Alusdokumendid: prEN 16263-1
Asendab dokumenti: EVS-EN 16263-1:2015

Arvamusküsitluse lõppkuupäev: 13.08.2021

11 TERVISEHOOLDUS

EN 60601-2-10:2015/prA2:2021
Medical electrical equipment - Part 2-10: Particular requirements for the basic safety and essential performance of nerve and muscle stimulators

Amendment to EN 60601-2-10:2015

Keel: en
Alusdokumendid: IEC 60601-2-10:2012/A2:202X; EN 60601-2-10:2015/prA2:2021
Muudab dokumenti: EVS-EN 60601-2-10:2015

Arvamusküsitluse lõppkuupäev: 13.08.2021

EN 60601-2-3:2015/prA2:2021
Elektrilised meditsiiniseadmed. Osa 2-3: Erinõuded lühilaineteraapia seadmete esmasele ohutusele ja olulistele toimimisnäitajatele
Medical electrical equipment - Part 2-3: Particular requirements for the basic safety and essential performance of short-wave therapy equipment

Standardi EN 60601-2-3:2015 muudatus

Keel: en
Alusdokumendid: EN 60601-2-3:2015/prA2:2021; IEC 60601-2-3:2012/A2:202X
Muudab dokumenti: EVS-EN 60601-2-3:2015

Arvamusküsitluse lõppkuupäev: 13.08.2021

EN 60601-2-6:2015/prA2:2021
Elektrilised meditsiiniseadmed. Osa 2-6: Erinõuded mikrolaineraviseadmete esmasele ohutusele ja olulistele toimimisnäitajatele
Medical electrical equipment - Part 2-6: Particular requirements for the basic safety and essential performance of microwave therapy equipment

Standardi EN 60601-2-6:2015 muudatus

Keel: en
Alusdokumendid: EN 60601-2-6:2015/prA2:2021; IEC 60601-2-6:2012/A2:202X
Muudab dokumenti: EVS-EN 60601-2-6:2015

Arvamusküsitluse lõppkuupäev: 13.08.2021

prEN IEC 61675-1:2021

Radionuclide imaging devices - Characteristics and test conditions - Part 1: Positron emission tomographs

This part of IEC 61675 specifies terminology and test methods for declaring the characteristics of POSITRON EMISSION TOMOGRAPHS. POSITRON EMISSION TOMOGRAPHS detect the ANNIHILATION RADIATION of positron emitting RADIONUCLIDEs by COINCIDENCE DETECTION.

Keel: en
Alusdokumendid: IEC 61675-1:202X; prEN IEC 61675-1:2021
Asendab dokumenti: EVS-EN 61675-1:2014

Arvamusküsitluse lõppkuupäev: 13.08.2021

13 KESKKONNA- JA TERVISEKAITSE. OHUTUS

prEN 13501-3

Fire classification of construction products and building elements - Part 3: Classification using data from fire resistance tests on products and elements used in building service installations: fire resistant ventilation ducts and fire dampers and or power, control and communication cables

This document specifies the procedure for classification of the resistance to fire performance of construction products and building elements used as components of building service installations, using data from fire resistance tests which are within the direct field of application of the relevant test method. Classification on the basis of extended application of test results is also included in the scope of this document. Products/elements for use in ventilation systems include (excluding smoke and heat exhaust ventilation): - fire resisting ducts; - fire dampers. Products /elements for use in/as cables systems: - intrinsic fire resistant cables/unprotected cables; - fire protective systems for cable systems; - supporting /suspension devices; - associated components (connectors, glands, junctions, etc.) Relevant test methods which have been prepared for these products/elements are listed in Clause 2.

Keel: en
Alusdokumendid: prEN 13501-3
Asendab dokumenti: EVS-EN 13501-3:2006+A1:2009

Arvamusküsitluse lõppkuupäev: 13.08.2021

prEN 15969-2

Tanks for transport of dangerous goods - Digital interface for the data transfer between tank vehicle and with stationary facilities - Part 2: Commercial and logistic data

This European Standard specifies the data structure needed for tour management, scheduling orders of measured and unmeasured products online to the truck. Processed orders are transferred back to the host in the office at once or later every time the truck is online. It specifies the transfer of commercial and logistic data between transport vehicle equipment, on board computer of the tank vehicle and stationary facilities for all communication channels between these parties. This document should only be used in conjunction with EN 15969-1 and should not modify or override any of the requirements of EN 15969-1.

Keel: en
Alusdokumendid: prEN 15969-2
Asendab dokumenti: EVS-EN 15969-2:2017

Arvamusküsitluse lõppkuupäev: 13.08.2021

prEN ISO 13165-2

Water quality - Radium-226 - Part 2: Test method using emanometry (ISO/DIS 13165-2:2021)

ISO 13165-2:2014 specifies the determination of radium-226 (226Ra) activity concentration in all types of water by emanometry. The method specified is suitable for the determination of the soluble, suspended, and total 226Ra activity concentration in all types of water with soluble 226Ra activity concentrations greater than 0,02 Bq l−1. In water containing high activity concentrations of 228Th, interference from 220Rn decay products can lead to overestimation of measured levels.

Keel: en
Alusdokumendid: ISO/DIS 13165-2; prEN ISO 13165-2
Asendab dokumenti: EVS-EN ISO 13165-2:2020

Arvamusküsitluse lõppkuupäev: 13.08.2021

17 METROLOOGIA JA MÕÕTMINE. FÜÜSIKALISED NÄHTUSED

prEN IEC 62127-1:2021

Ultrasonics - Hydrophones - Part 1: Measurement and characterization of medical ultrasonic fields up to 40 MHz

This part of IEC 62127 specifies methods of use of calibrated hydrophones for the measurement in liquids of acoustic fields generated by ultrasonic medical equipment including bandwidth criteria and calibration frequency range requirements in dependence on the spectral content of the fields to be characterized. The objectives of this standard are: – to define a group of acoustic parameters that can be measured on a physically sound basis; – to define a second group of parameters that can be derived under certain assumptions from these measurements, and called derived intensity parameters; – to define a measurement procedure that may be used for the determination of acoustic pressure parameters; – to define the conditions under which the measurements of acoustic parameters can be made using calibrated hydrophones; – to define procedures for correcting, for limitations caused by the use of hydrophones with finite bandwidth and finite active element size, and for estimating the corresponding uncertainties. NOTE 1 Throughout this standard, SI units are used. In the specification of certain parameters, such as beam areas and intensities, it may be convenient to use decimal multiples or submultiples. For example, beam area may be specified in cm2 and intensities in W/cm2 or mW/cm2 276 . NOTE 2 The hydrophone as defined may be of a piezoelectric or an optic type.

Keel: en
Alusdokumendid: IEC 62127-1:202X; prEN IEC 62127-1:2021
Asendab dokumenti: EVS-EN 62127-1:2007
Asendab dokumenti: EVS-EN 62127-1:2007/A1:2013

Arvamusküsitluse lõppkuupäev: 13.08.2021

prEN IEC 62764-1:2021

Measurement procedures of magnetic field levels generated by electronic and electrical equipment in the automotive environment with respect to human exposure - Part 1: Low frequency magnetic fields

This part of IEC 62764 applies to the assessment of human exposure to low frequency magnetic fields generated by automotive vehicles. For plug-in vehicles, this includes the electric vehicle supply equipment (EVSE) and associated cables provided by the car manufacturer. The scope of this document establishes the measurement procedure for the evaluation of magnetic field levels generated by electronic and electrical equipment (excluding intentionally transmitting equipment) in selected automotive environments, for passenger cars and commercial vehicles of categories M1 and N1 as defined in ECE/TRANS/WP.29/78/Rev.3 [1]1, with respect to human exposure. It provides standardized operating conditions and defines recommended measurements to assess compliance to the applicable exposure requirements. This document covers the frequency range 1 Hz to 400 kHz and is applicable to any type of engine and/or internal energy source. The scope of this document does not include procedures for assessment of human exposure to electromagnetic fields generated by wireless power transfer (WPT) equipment operating in automotive environments. Exposure assessment procedures for WPT equipment are covered by IEC TR 62905 [2]. Abnormal operation of the vehicle or equipment under test is not taken into consideration.

Keel: en
Alusdokumendid: prEN IEC 62764-1:2021; IEC 62764-1:202X

Arvamusküsitluse lõppkuupäev: 13.08.2021

prEN ISO 13165-2

Water quality - Radium-226 - Part 2: Test method using emanometry (ISO/DIS 13165-2:2021)

ISO 13165-2:2014 specifies the determination of radium-226 (226Ra) activity concentration in all types of water by emanometry. The method specified is suitable for the determination of the soluble, suspended, and total 226Ra activity concentration in all types of water with soluble 226Ra activity concentrations greater than 0,02 Bq l−1. In water containing high activity concentrations of 228Th, interference from 220Rn decay products can lead to overestimation of measured levels.

Keel: en
Alusdokumendid: ISO/DIS 13165-2; prEN ISO 13165-2
Asendab dokumenti: EVS-EN ISO 13165-2:2020

Arvamusküsitluse lõppkuupäev: 13.08.2021

23 ÜLDKASUTATAVAD HÜDRO- JA PNEUMOSÜSTEEMID JA NENDE OSAD

prEN 10357

Austenitic, austenitic-ferritic and ferritic longitudinally welded stainless steel tubes for the food and chemical industry

This document specifies dimensions, tolerances, materials, internal and external surface characteristics, and marking of stainless steels longitudinally fusion welded tubes for the food and chemical industry.

Keel: en
Alusdokumendid: prEN 10357
Asendab dokumenti: EVS-EN 10357:2013

Arvamusküsitluse lõppkuupäev: 13.08.2021

prEN 15969-2

Tanks for transport of dangerous goods - Digital interface for the data transfer between tank vehicle and with stationary facilities - Part 2: Commercial and logistic data

This European Standard specifies the data structure needed for tour management, scheduling orders of measured and unmeasured products online to the truck. Processed orders are transferred back to the host in the office at once or later every time the truck is online. It specifies the transfer of commercial and logistic data between transport vehicle equipment, on board computer of the tank vehicle and stationary facilities for all communication channels between these parties. This document should only be used in conjunction with EN 15969-1 and should not modify or override any of the requirements of EN 15969-1.

Keel: en
Alusdokumendid: prEN 15969-2
Asendab dokumenti: EVS-EN 15969-2:2017

Arvamusküsitluse lõppkuupäev: 13.08.2021

25 TOOTMISTEHNOLOOGIA

prEN ISO 6370-1

Vitreous and porcelain enamels - Determination of the resistance to abrasion - Part 1: Abrasion testing apparatus (ISO 6370-1:1991)

Specifies the requirements for the testing apparatus to be used. Includes a general description and figures.

Keel: en
Alusdokumendid: ISO 6370-1:1991; prEN ISO 6370-1

Arvamusküsitluse lõppkuupäev: 13.08.2021

prEN ISO 6370-2

Vitreous and porcelain enamels - Determination of the resistance to abrasion - Part 2: Loss in mass after sub-surface abrasion (ISO 6370-2:2020)

This document specifies a test method for determining the resistance of vitreous and porcelain enamel coatings to abrasion by rubbing, grinding or other mechanical effects.

Keel: en
Alusdokumendid: ISO 6370-2:2020; prEN ISO 6370-2

Arvamusküsitluse lõppkuupäev: 13.08.2021

29 ELEKTROTEHNIKA

prEN IEC 62442-1:2021

Energy performance of lamp controlgear - Part 1: Controlgear for fluorescent lamps - Method of measurement to determine the total input power of controlgear circuits and the efficiency of controlgear

This part of IEC 62442 defines a measurement and calculation method of the total input power for controlgear – lamp circuits when operating with their associated fluorescent lamp(s). The calculation method for the efficiency of the lamp controlgear is also defined. This document applies to electrical controlgear lamp circuits consisting only of the controlgear and the lamp(s). It is intended for use on DC supplies up to 1 000 V and/or AC supplies up to 1 000 V at 50 Hz or 60 Hz.

Keel: en
Alusdokumendid: IEC 62442-1:202X; prEN IEC 62442-1:2021
Asendab dokumenti: EVS-EN IEC 62442-1:2018

Arvamusküsitluse lõppkuupäev: 13.08.2021

prEN IEC 62442-2:2021

Energy performance of lamp controlgear - Part 2: Controlgear for discharge lamps (excluding low-pressure mercury fluorescent lamps) - Method of measurement to determine the efficiency of controlgear

IEC 62442-2:2018 defines a measurement method of the power losses of electromagnetic controlgear, the total input power and the standby power of electronic controlgear for high intensity discharged lamps (excluding fluorescent lamps). A calculation method of the efficiency of controlgear for high intensity discharged lamp(s) is also defined.

Keel: en
Alusdokumendid: IEC 62442-2:202X; prEN IEC 62442-2:2021
Asendab dokumenti: EVS-EN IEC 62442-2:2018
Asendab dokumenti: EVS-EN IEC 62442-2:2018/AC:2018

Arvamusküsitluse lõppkuupäev: 13.08.2021

prEN IEC 62442-3:2021

Energy performance of lamp controlgear - Part 3: Controlgear for tungsten-halogen lamps and LED light sources - Method of measurement to determine the efficiency of controlgear

This document defines a measurement method for the power losses of electromagnetic transformers as well as the power losses and the standby power of electronic convertors for tungsten-halogen lamps and for LED light source(s). It is applicable for controlgear that are designed for use on DC supplies up to 1 000 V and/or AC supplies up to 1 000 V at 50 Hz or 60 Hz. A calculation method of the efficiency of the mentioned controlgear for tungsten-halogen lamps and LED light source(s) is also defined.

Keel: en
Alusdokumendid: IEC 62442-3:202X; prEN IEC 62442-3:2021
Asendab dokumenti: EVS-EN IEC 62442-3:2018

Arvamusküsitluse lõppkuupäev: 13.08.2021

33 SIDETEHNIKA

prEN 300 019-2-5 V3.0.7

Environmental Engineering (EE); Environmental conditions and environmental tests for telecommunications equipment; Part 2: Specification of environmental tests; Sub-part 5: Ground vehicle installations

The present document specifies test methods and severities for verification of the required resistibility of equipment according to the relevant environmental class. The tests defined in the present document apply to the use of equipment installed permanently or temporarily in ground vehicles and cover the vehicles and the environmental conditions stated in ETSI EN 300 019-1-5. The tests cover installations in vehicles powered by electric motors and combustion engines. Applications in combustion engine compartments are excluded.

Keel: en
Alusdokumendid: Draft ETSI EN 300 019-2-5 V3.0.7

Arvamusküsitluse lõppkuupäev: 13.08.2021

prEN 302 217-1 V3.3.0

Fixed Radio Systems; Characteristics and requirements for point-to-point equipment and antennas; Part 1: Overview, common characteristics and requirements not related to access to radio spectrum

The present document applies to Digital Fixed Radio Systems (DFRS) in point-to-point operation with integral and external antennas in the frequency range of 1 GHz to 86 GHz corresponding to the appropriate frequency bands 1,4 GHz to 86 GHz as described in ETSI EN 302 217-2, annex B to annex J. The present document summarizes: • all characteristics, principles and, of utmost importance, terms and definitions that are common to all P-P equipment and antennas and its consultation is necessary when using all other parts of ETSI EN 302 217 series; • all system-dependent requirements for Point-to-Point (P-P) equipment. These requirements are introduced in two different clauses sub-sets: - Main requirements are requirements that are also related to the "essential requirements" under article 3.2 of Directive 2014/53/EU and further detailed in the Harmonised Standard ETSI EN 302 217-2. - Complementary requirements are requirements that are not related to essential requirements under article 3.2 of Directive 2014/53/EU. Nevertheless they have been commonly agreed for proper system operation and deployment when specific deployment conditions or compatibility requirements are present. Compliance to all or some of these requirements is left to manufacturer decision. Health and safety requirements and EMC conditions and requirements are not considered in the ETSI EN 302 217 series.

Keel: en
Alusdokumendid: Draft ETSI EN 302 217-1 V3.3.0

Arvamusküsitluse lõppkuupäev: 13.08.2021

prEN 302 217-2 V3.3.0

Paiksed raadiosüsteemid; Raadioliinide seadmete ja antennide karakteristikud ja nõuded; Osa 2. Raadiosagedusalades 1-86 GHz töötavad digitaalsüsteemid; Raadiospektrile juurdepääsu harmoneeritud standard
Fixed Radio Systems; Characteristics and requirements for point-to-point equipment and antennas; Part 2: Digital systems operating in frequency bands from 1 GHz to 86 GHz; Harmonised Standard for access to radio spectrum

The present document specifies technical characteristics and methods of measurements for Point-to-point (P-P) Digital Fixed Radio Systems (DFRS) operating in frequency bands allocated to Fixed Service (FS) from 1 GHz to 86 GHz, corresponding to the appropriate frequency bands from 1,4 GHz to 86 GHz as described in annex B to annex J. Systems in the scope of the present document are generally intended to operate in full Frequency Division Duplex (FDD) and cover also unidirectional applications. Time Division Duplex (TDD) applications, when possibly applicable in a specific band, are explicitly mentioned as appropriate in annex B through annex J. Systems may be composed by equipment without antennas (see informative annex Q for background) or equipment including integral or dedicated antenna, both cases are in the scope of the present document. The present document covers requirements to demonstrate that radio equipment both effectively uses and supports the efficient use of radio spectrum in order to avoid harmful interference NOTE: The relationship between the present document and the essential requirements of article 3.2 of Directive 2014/53/EU is given in annex A.

Keel: en
Alusdokumendid: Draft ETSI EN 302 217-2 V3.3.0

Arvamusküsitluse lõppkuupäev: 13.08.2021

35 INFOTEHNOLOOGIA

prEN 15969-2

Tanks for transport of dangerous goods - Digital interface for the data transfer between tank vehicle and with stationary facilities - Part 2: Commercial and logistic data

This European Standard specifies the data structure needed for tour management, scheduling orders of measured and unmeasured products online to the truck. Processed orders are transferred back to the host in the office at once or later every time the truck is online. It specifies the transfer of commercial and logistic data between transport vehicle equipment, on board computer of the tank vehicle and stationary facilities for all communication channels between these parties. This document should only be used in conjunction with EN 15969-1 and should not modify or override any of the requirements of EN 15969-1.

Keel: en
Alusdokumendid: prEN 15969-2
Asendab dokumenti: EVS-EN 15969-2:2017

Arvamusküsitluse lõppkuupäev: 13.08.2021

prEN ISO/IEC 29101

Information technology - Security techniques - Privacy architecture framework (ISO/IEC 29101:2018)

This document defines a privacy architecture framework that: — specifies concerns for ICT systems that process PII; — lists components for the implementation of such systems; and — provides architectural views contextualizing these components. This document is applicable to entities involved in specifying, procuring, architecting, designing, testing, maintaining, administering and operating ICT systems that process PII. It focuses primarily on ICT systems that are designed to interact with PII principals.

Keel: en
Alusdokumendid: ISO/IEC 29101:2018; prEN ISO/IEC 29101

Arvamusküsitluse lõppkuupäev: 13.08.2021

47 LAEVAEHITUS JA MERE-EHITISED

prEN ISO 21487

Small craft - Permanently installed petrol and diesel fuel tanks (ISO/DIS 21487:2021)

This document establishes requirements for design, construction, installation and test of petrol and diesel fuel tanks, for internal combustion engines, that are intended to be permanently installed in small craft. For installation requirements, ISO 10088:2013 applies.

Keel: en
Alusdokumendid: ISO/DIS 21487; prEN ISO 21487
Asendab dokumenti: EVS-EN ISO 21487:2012

Arvamusküsitluse lõppkuupäev: 14.07.2021

49 LENNUNDUS JA KOSMOSETEHNIKA

prEN 4709-001

Aerospace series - Unmanned Aircraft Systems - Part 001: Product requirements and verification

This document provides means of compliance with Parts 1 to 6 of Commission delegated (EU) .../... of XXX on making available on the market of unmanned aircraft intended for use in the ‘open’ category and on third-country UAS operators proposed in the Opinion 01/2018. This includes compliance with product requirements for all UAS authorized to operate in the ‘open’ category (class C0, C1, C2, C3 and C4 UAS) and the electronic identification system. This document does not cover "Specific" or "Certified" category of UAS. Compliance with this document assists in complying with CE marking technical requirements and covers, but is not limited to: I. Physical and mechanical properties; II. Flammability; III. Electrical properties; IV. Functional Safety. This European Standard is only applicable for UA with energy sources based on electro-chemical technologies. Additional hazards that occur from the characteristics of the payload are excluded and are under the responsibility of the manufacturer and operator.

Keel: en
Alusdokumendid: prEN 4709-001

Arvamusküsitluse lõppkuupäev: 14.07.2021

59 TEKSTIILI- JA NAHATEHNOLOOGIA

prEN ISO 24584

Textiles - Smart textiles - Test method for sheet resistance of conductive textiles using non-contact type (ISO/DIS 24584:2021)

This document describes the measurement for the determination of the sheet resistance of conductive textile structures or conductive structures intended for application in/to textiles in the form of sheets (woven fabric, knitted fabric, nonwovens, coated fabric) where the area is formed by intersecting surfaces having conductive textile material by using eddy current technology in reflection mode setup/ arrangement.

Keel: en
Alusdokumendid: ISO/DIS 24584; prEN ISO 24584

Arvamusküsitluse lõppkuupäev: 13.08.2021

67 TOIDUAINETE TEHNOLOOGIA

prEN 17677

Food processing machinery - Craft bakery and pastry depositors - Safety and hygiene requirements

1.1 This document specifies safety and hygiene requirements for the design and manufacture of craft bakery and pastry depositors which: a) are intended to be used: — to deposit only pasty food (i.e.: cream, dough, batter etc.); — to deposit only on trays; — as standalone machines; — with manual loading of the dough in the hopper; b) are intended to be used with manual loading and unloading of the tray/s on/from the conveyor; c) can carry out only the following movements and relevant directions (see Figure 1a)): — Z: Vertical movement of the table and/or the deposit unit; — X: Horizontal movement of the conveyor; — Y: possible horizontal component of the movement only of the nozzles themselves inside the deposit unit; d) are fitted with one or more hoppers whose capacity is ≤ 60 dm3 each; and e) have a total length of the tray conveyor ≤ 1 600 mm; f) have a vertical movement between nozzles and conveyor ≤ 200 mm; g) have a maximum deposit performance: — ≤ 60 cycles/minute with up/down movement of the table or the deposit unit; — ≤ 100 cycles/minute without up/down movement of the table or the deposit unit; h) have a maximum trays performance ≤ 4 trays/minute. These machines are intended only for professional use. NOTE The machine is provided for being used by one operator at a time. The loading of the dough in the hopper can be done by means of a separate automatic loading system, but in that case the hazards arising from the use of the automatic hopper loading system are not covered by this document. This document deals with all significant hazards, hazardous situations and events relevant to adjustment, operation and cleaning of craft bakery and pastry depositors, when they are used as intended and under conditions of misuse which are reasonably foreseeable by the manufacturer. This document covers requirements for the safe operation of the machine, including loading, depositing, unloading, cleaning and maintenance. 1.2 The following hazards are not covered by this document: — hazards arising from the use of an automatic hopper loading system; — hazards due to packaging, handling or transport; — hazards arising from electromagnetic compatibility issues; — hazards due to dismantling and disassembling; — hazards due to the noise emitted by the machine; — hazards due to control devices; — hazards due to operational stop; — hazards due to selection of control or operating modes; — hazards due to failure of the power supply; — hazards due to surfaces, edges or angles; — hazards due to combined machinery; — hazards due to variations in operating conditions; — hazards due to uncontrolled movements; — hazards due to adjustable guards restricting access; — hazards due to errors of fitting; — hazards due to radiation; — hazards due to laser radiation; — hazards due to isolation of energy sources; — hazards due to information and warnings on the machinery; — hazards due to information and information devices. The significant hazards covered by this document are described in Annex A. 1.3 The following machines are excluded from the scope of this document: a) machines which deposit pasty food by means of needles (injection); b) machines where the trays are put onto and/or removed from the conveyor automatically; c) machines which require a blade for the cutting system; d) domestic appliances; e) machines for industrial production; f) machines to deposit other products than food for bakery and pastry products. 1.4 In drafting this document, it has been assumed that the depositors falling within the scope are operated only by trained personnel. This document is not applicable to machines which are manufactured before the date of publication of this European Standard.

Keel: en
Alusdokumendid: prEN 17677

Arvamusküsitluse lõppkuupäev: 13.08.2021

71 KEEMILINE TEHNOLOOGIA

prEN 16263-1

Pyrotechnic articles - Other pyrotechnic articles - Part 1: Terminology

This document defines various terms relating to the design, construction, performances, labelling and testing of other pyrotechnic articles as defined by Directive 2013/29/EU on the placing on the market of pyrotechnic articles (except pyrotechnic articles for vehicles, cartridges for powder actuated tools and ignition devices).

Keel: en
Alusdokumendid: prEN 16263-1
Asendab dokumenti: EVS-EN 16263-1:2015

Arvamusküsitluse lõppkuupäev: 13.08.2021

prEN 16263-2
Pyrotechnic articles - Other pyrotechnic articles - Part 2: Requirements

This document specifies requirements for the construction and performances of other pyrotechnic articles, except pyrotechnic articles for vehicles, ignition devices and cartridges for powder actuated tools (PAT), of the following generic types: - flares; - flash devices; - gas generators; - heaters; - other cartridges; - pyromechanical devices; - rockets and rocket motors; - semi-finished pyrotechnic articles; - smoke / aerosol generators; - sound emitters; - pyrotechnic liquid dispersers. This document does not apply for articles containing pyrotechnic compositions that include any of the following substances: - arsenic or arsenic compounds; - polychlorobenzenes; - mercury compounds; - lead compounds (except for those included in ignition devices); - white phosphorus; - picrates or picric acid.

Keel: en
Alusdokumendid: prEN 16263-2
Asendab dokumenti: EVS-EN 16263-2:2015

Arvamusküsitluse lõppkuupäev: 13.08.2021

prEN 16263-3
Pyrotechnic articles - Other pyrotechnic articles - Part 3: Categories and types

This document defines the procedure for categorization of other pyrotechnic articles except pyrotechnic articles for vehicles, ignition devices and cartridges for powder actuated tools (PAT).

Keel: en
Alusdokumendid: prEN 16263-3
Asendab dokumenti: EVS-EN 16263-3:2015

Arvamusküsitluse lõppkuupäev: 13.08.2021

prEN 16263-4
Pyrotechnic articles - Other pyrotechnic articles - Part 4: Test methods

This document specifies test methods for other pyrotechnic articles (except pyrotechnic articles for vehicles, cartridges for powder actuated tools and ignition devices).

Keel: en
Alusdokumendid: prEN 16263-4
Asendab dokumenti: EVS-EN 16263-4:2015

Arvamusküsitluse lõppkuupäev: 13.08.2021

prEN 16263-5
Pyrotechnic articles - Other pyrotechnic articles - Part 5: Minimum labelling requirements and instructions for use

This document specifies the minimum labelling requirements and the mandatory instructions for use for other pyrotechnic articles (except pyrotechnic articles for vehicles, cartridges for powder actuated tools and ignition devices).

Keel: en
Alusdokumendid: prEN 16263-5
Asendab dokumenti: EVS-EN 16263-5:2015

Arvamusküsitluse lõppkuupäev: 13.08.2021

prEN ISO 23674
Cosmetics - Analytical methods - Direct determination of traces of mercury in cosmetics by thermal decomposition - Atomic absorption spectrometry (mercury analyzer) (ISO/DIS 23674:2021)

This International Standard specifies the determination of mercury in cosmetics by integrated mercury analytical systems. The purpose of this standard is : • Description of the analytical procedure • Validation and characterization of the method by its accuracy profile

Keel: en
Alusdokumendid: ISO/DIS 23674; prEN ISO 23674

Arvamusküsitluse lõppkuupäev: 13.08.2021

73 MÄENDUS JA MAAVARAD

prEN 1009-6
Machines for mechanical processing of minerals and similar solid materials - Safety - Part 6: Specific requirements for mobile machinery

This document, together with EN 1009-1:201X, specifies safety requirements and verification for the design and construction of mobile machinery for crushing, screening, feeding, conveying minerals and by-products: (cement, lime, gypsum. sand, gravel, industrial minerals, metaliferous ore, and hard and soft rock aggregates, coal) and by-products (slag and ashes, production and demolition waste) in construction and industry. In addition, this document specifies the type of information on safe working practices (including residual risks) to be provided by the manufacturer. The requirements of this document are complementary

to the common requirements formulated in EN 1009-1, EN 1009-2, EN 1009-3, EN 1009-4, EN 1009-5. This part does not repeat the requirements from EN 1009-1, but adds or replaces them. When requirements of this document are different from those which are stated in EN 1009-1, EN 1009-2, EN 1009-3, EN 1009-4, EN 1009-5 the requirements of this document takes precedence over the requirements of EN 1009-1 for machines that have been designed and built according to the provisions of this document. This document, together with EN 1009-1, EN 1009-2, EN 1009-3, EN 1009-4, EN 1009-5 deals with all the identified significant hazards, hazardous situations and events relevant to machinery for cleaning, recycling, mud treatment when they are used as intended and under the conditions of misuse which are reasonably foreseeable by the manufacturer associated with the whole lifetime of the machine (see Annex A). This document does not cover: — design relating to road traffic regulations (e.g. lighting, dimensions, speed limit plate); — hazards arising from the use of the machines in potentially explosive atmospheres as well as from processing of explosive materials and risks related to electromagnetic compatibility; NOTE For travelling on public roads, national traffic regulations apply (e.g. braking, steering, lighting, towing etc.) until harmonised requirements are available. This European Standard is not applicable to mobile machines, which are manufactured before the date of publication of this European Standard by CEN.

Keel: en
Alusdokumendid: prEN 1009-6

Arvamusküsitluse lõppkuupäev: 13.08.2021

75 NAFTA JA NAFTATEHNOLOOGIA

prEN 16091

Liquid petroleum products - Middle distillates and fatty acid methyl ester (FAME) fuels and blends - Determination of oxidation stability by rapid small scale oxidation method

This document specifies a method for the determination of the oxidation stability of middle distillate fuels, fatty acid methyl ester (FAME) fuel and blends thereof, under accelerated conditions, by measuring the induction period to the specified breakpoint in a reaction vessel charged with the sample and oxygen. NOTE 1 For the purposes of this document, the term "% (V/V)" is used to represent the volume fraction (φ). NOTE 2 The induction period is used as an indication for the resistance of middle distillates, fatty acid methyl ester (FAME) fuels and blends thereof against oxidation. This correlation can vary markedly under different conditions with different FAMEs and diesel fuel blends. NOTE 3 The presence of ignition improvers can lead to lower oxidation stability results determined by this method. It has for instance been observed that the addition of 2-ethyl hexyl nitrate (2-EHN) can reduce the measured oxidation stability values. See [6] for details. NOTE 4 For further information on the precision data at a test temperature of 120 °C see Annex D.

Keel: en
Alusdokumendid: prEN 16091
Asendab dokumenti: EVS-EN 16091:2011

Arvamusküsitluse lõppkuupäev: 13.08.2021

77 METALLURGIA

prEN 12020-2

Aluminium and aluminium alloys - Extruded precision profiles in alloys EN AW-6060 and EN AW-6063 - Part 2: Tolerances on dimensions and form

This document specifies tolerances on dimensions and form of extruded precision profiles in alloys EN AW-6060 and EN AW-6063, manufactured with and without a thermal barrier (see Figures 1 and 2). It applies to extruded products supplied without further surface treatment. Precision profiles covered in this document are distinguished from extruded profiles for general applications covered in EN 755-9 by the following characteristics: - they are mainly for architectural applications designed with mostly uniformly wall-thicknesses; - they are mainly used for architecture, mechanical engineering and automotive applications (except structural-parts and crash-elements); - the maximum weight per metre of 10 kg/m; - the max. wall-thickness proportion (S max/S min) of 3,5 mm. In the case of profiles which, due to the complexity of their design, are difficult to manufacture and specify, then special agreements between supplier and purchaser may need to be reached. NOTE The effect of the thermal barrier material on the dimensional tolerances is covered by this document although the actual thermal barrier material itself is not (see EN 14024).

Keel: en
Alusdokumendid: prEN 12020-2
Asendab dokumenti: EVS-EN 12020-2:2016
Asendab dokumenti: EVS-EN 12020-2:2016/AC:2017

Arvamusküsitluse lõppkuupäev: 13.08.2021

83 KUMMI- JA PLASTITÖÖSTUS

prEN 17668

Adhesives for floor coverings - Preparation of adhesive application - Test method for the determination of excessive humidity in subfloors

This document specifies test methods for assessment of the moisture conditions of any kind of subfloor prior to the installation of levelling compounds and/or floor coverings or parquet floors bonded with adhesives. The methods are independent from subfloor chemical composition or materials and applicable with available equipment. For some highly reactive cement based compositions (e.g. ternary systems) the manufacturer might recommend a specific time when the subfloor is ready to be

covered. This document describes the methods in detail and includes a protocol template for documenting the measured values.

Keel: en
Alusdokumendid: prEN 17668

Arvamusküsitluse lõppkuupäev: 13.08.2021

85 PABERITEHNOLOOGIA

prEN ISO 12625-4

Tissue paper and tissue products - Part 4: Determination of tensile strength, stretch at maximum force and tensile energy absorption (ISO/DIS 12625-4:2021)

This document specifies a test method for the determination of the tensile strength, stretch at maximum force and tensile energy absorption of tissue paper and tissue products. It uses a tensile-testing apparatus operating with a constant rate of elongation. It also specifies the method of calculating the tensile index and the tensile energy absorption index. In cases where impurities and contraries have to be determined, ISO 15755[1] applies for these detections in tissue paper and tissue products.

Keel: en
Alusdokumendid: ISO/DIS 12625-4; prEN ISO 12625-4
Asendab dokumenti: EVS-EN ISO 12625-4:2016

Arvamusküsitluse lõppkuupäev: 13.08.2021

91 EHITUSMATERJALID JA EHITUS

prEN 1009-6

Machines for mechanical processing of minerals and similar solid materials - Safety - Part 6: Specific requirements for mobile machinery

This document, together with EN 1009-1:201X, specifies safety requirements and verification for the design and construction of mobile machinery for crushing, screening, feeding, conveying minerals and by-products: (cement, lime, gypsum. sand, gravel, industrial minerals, metaliferous ore, and hard and soft rock aggregates, coal) and by-products (slag and ashes, production and demolition waste) in construction and industry. In addition, this document specifies the type of information on safe working practices (including residual risks) to be provided by the manufacturer. The requirements of this document are complementary to the common requirements formulated in EN 1009-1, EN 1009-2, EN 1009-3, EN 1009-4, EN 1009-5. This part does not repeat the requirements from EN 1009-1, but adds or replaces them. When requirements of this document are different from those which are stated in EN 1009-1, EN 1009-2, EN 1009-3, EN 1009-4, EN 1009-5 the requirements of this document takes precedence over the requirements of EN 1009-1 for machines that have been designed and built according to the provisions of this document. This document, together with EN 1009-1, EN 1009-2, EN 1009-3, EN 1009-4, EN 1009-5 deals with all the identified significant hazards, hazardous situations and events relevant to machinery for cleaning, recycling, mud treatment when they are used as intended and under the conditions of misuse which are reasonably foreseeable by the manufacturer associated with the whole lifetime of the machine (see Annex A). This document does not cover: — design relating to road traffic regulations (e.g. lighting, dimensions, speed limit plate); — hazards arising from the use of the machines in potentially explosive atmospheres as well as from processing of explosive materials and risks related to electromagnetic compatibility; NOTE For travelling on public roads, national traffic regulations apply (e.g. braking, steering, lighting, towing etc.) until harmonised requirements are available. This European Standard is not applicable to mobile machines, which are manufactured before the date of publication of this European Standard by CEN.

Keel: en
Alusdokumendid: prEN 1009-6

Arvamusküsitluse lõppkuupäev: 13.08.2021

prEN 12326-3

Slate and stone for discontinuous roofing and external cladding - Part 3: Specifications for schist and schistose stones

This document specifies characteristics of schist and schistose stones (see 3.1) intended to be used for assembly into discontinuous roofing and external cladding. This document specifies procedures for assessment and verification of constancy (AVCP) of performance of characteristics of schist and schistose stones. This document does not cover the following: - slate and carbonate slate products (see EN 12326-1:2014 and EN 12326-2:2011); - schist and schistose products, used as wall cladding, which are either bonded with adhesive or fixed with dowels and cramps (see EN 1469:2015); - treated products; - installation or construction specific requirements.

Keel: en
Alusdokumendid: prEN 12326-3

Arvamusküsitluse lõppkuupäev: 13.08.2021

prEN 13055

Lightweight aggregates

This document specifies the characteristics of lightweight aggregates (LWA) and LWA fillers and mixtures of them intended to be used in concrete, mortar and grout, bituminous mixtures, surface treatments and for unbound and hydraulically bound applications in construction works. This document covers LWA and LWA fillers from mineral materials having particle densities

less or equal to 2000 kg/m3 (2,000 Mg/m3) or loose bulk densities less or equal to 1200 kg/m3 (1,200 Mg/m3). With regard to the aggregate size, this document covers LWA: fine lightweight aggregate (see 3.1.7), coarse lightweight aggregate (hereafter called coarse LWA) (see 3.1.8), all-in lightweight aggregate (hereafter called all-in LWA) (see 3.1.9) and LWA fillers (see 3.1.10). With regard to the material source and production technique, this document covers LWA and LWA fillers: a) of natural origin (see 3.1.2), b) manufactured from natural materials (see 3.1.3), c) manufactured from by-products of industrial processes (see 3.1.4) or from recycled source materials (see 3.1.5), and d) as by-products of industrial processes (see 3.1.4). Limits given to densities are related to some test methods which might not be applicable to some lightweight aggregates and lightweight aggregate fillers. This limitation is purely based on technical reasons and not to exclude any products from the market. This document also specifies procedures for assessment and verification of constancy (AVCP) of performance of characteristics of LWA and LWA fillers. This document does not cover LWA and LWA fillers of recycled aggregates from construction and demolition waste and Municipal Solid Waste Incinerator Bottom Ash (MIBA) (covered by prEN 17555-1:2021).

Keel: en
Alusdokumendid: prEN 13055
Asendab dokumenti: EVS-EN 13055:2016

Arvamusküsitluse lõppkuupäev: 13.08.2021

prEN 13383-1
Armourstone - Part 1:Characteristics

This document specifies the characteristics of armourstone for uses, either with or without high safety requirements, in hydraulic structures and other civil engineering works. This document specifies procedures for assessment and verification of constancy (AVCP) of performances of characteristics of the armourstone as well as marking and labelling of these products. Armourstone covered in this document are aggregates, obtained by processing natural, manufactured or recycled materials and mixtures of these aggregates. With regard to the material source and production technique, this document covers natural armourstone (see 3.1.2), manufactured armourstone (see 3.1.3) or recycled armourstone (see 3.1.4). Furthermore, manufactured armourstone are manufactured air-cooled blast furnace slags and manufactured steel slags. With regard to the size of the armourstone, this document covers armourstone with the following gradings: (1) coarse grading (see 3.1.8) (2) light grading (see 3.1.9) (3) heavy grading (see 3.1.10) This document does not cover - aggregates for railway ballast, as these are specified in prEN 13450-1:2021, - aggregates for construction works, as these are specified in prEN 17555-1:2021.

Keel: en
Alusdokumendid: prEN 13383-1
Asendab dokumenti: EVS-EN 13383-1:2002

Arvamusküsitluse lõppkuupäev: 13.08.2021

prEN 13383-2
Armourstone - Part 2: Complementary information and test methods

This document specifies sampling and test methods for natural, manufactured and recycled aggregates for use as armourstone. This document specifies the reference methods to be used for type testing and in case of dispute where an alternative method has been used. For other purposes, in particular factory production control, it allows for other methods to be used provided that an appropriate working relationship with the test method has been established. This document provides non-contradictory complementary information that can be of use when producing or purchasing armourstone produced according to harmonised standard prEN 13383-1:2021. NOTE prEN 13383-1:2021 is also intended to be read in conjunction with the Construction Products Regulations.

Keel: en
Alusdokumendid: prEN 13383-2
Asendab dokumenti: EVS-EN 13383-2:2019

Arvamusküsitluse lõppkuupäev: 13.08.2021

prEN 13450-1
Aggregates for railway ballast - Part 1: Characteristics

This document specifies the characteristics of aggregates for use in the construction of the upper layer (superstructure) of railway track. With regard to the material source and production process, this document covers natural aggregate (see 3.1.3), manufactured aggregate (see 3.1.4), recycled aggregates (see 3.1.5), and mixtures of these materials. Aggregates covered in this document are railway ballast (see 3.1.2). Railway ballast refers to aggregates where 100 % of the surface of the particles can be described as totally crushed (see 3.1.2) and that are obtained by processing natural, manufactured materials or recycled crushed unbound aggregates. Aggregates covered in this document are coarse aggregates (see 3.1.10). Railway ballast resulting of previously used railway ballast on site and without putting it on the market (reused railway ballast) is not covered by this document. This document does not cover: — natural and manufactured aggregates, having oven-dried particle density less than or equal to 2,00 Mg/m3, as they are already specified in prEN 13055:2021, — recycled aggregates, with particle densities less than 1,50 Mg/m3, — aggregates with a nominal upper size greater than 90 mm, — armourstone, as this is specified in prEN 13383-1:2021, — aggregates for construction works, as these are specified in prEN17555-1:2021, — use of aggregates contained within reclaimed bituminous mixtures, as the reclaimed asphalt for use as a constituent of bituminous mixtures is already specified in EN 13108 8:2016, — use of aggregates as soil, — use of aggregates in earthworks, as these are specified in EN 16907:2018, Parts 1 to 6.

Keel: en
Alusdokumendid: prEN 13450-1
Asendab dokumenti: EVS-EN 13450:2007
Asendab dokumenti: EVS-EN 13450:2007/AC:2014

Arvamusküsitluse lõppkuupäev: 13.08.2021

prEN 13450-2

Aggregates for railway ballast - Part 2: Complementary information

This document provides non-contradictory complementary information that can be of use when producing or purchasing railway ballast according to the harmonized standard prEN 13450-1:2021. NOTE prEN 13450-1:2021 is also required to be read in conjunction with the Construction Products Regulation. Reused railway ballast is not covered by this document.

Keel: en
Alusdokumendid: prEN 13450-2

Arvamusküsitluse lõppkuupäev: 13.08.2021

prEN 14509-1

Factory-made double skin metal faced insulating sandwich panels - Part 1: Self-supporting applications

This document specifies characteristics of factory-made double skin metal faced insulating sandwich panels for use in elements for self-supporting applications in roofs, in external and internal walls (including partitions) and in ceilings in buildings (hereafter sandwich panels). The sandwich panels consist of two faces and insulating core either by using auto-adhesive bonding technique or by using a separate adhesive layer. The face materials covered by this document are: - steel, - stainless steel, - aluminium, NOTE Aluminium covers aluminium alloys. - copper. The insulating cores covered by this document are: - rigid polyurethane (PU) (see 3.1.15); - expanded polystyrene (EPS) (see 3.1.13); - extruded polystyrene foam (XPS) (see 3.1.14); - phenolic foam (PF) (see 3.1.12); - mineral wool (MW) (see 3.1.11). For sandwich panels, the coating of faces is either organic and/or metallic coating. This document specifies procedures for assessment and verification of constancy (AVCP) of performance of characteristics of sandwich panels. This document does not cover the following: - sandwich panels consisting of two or more clearly defined layers of different insulating cores (multi-layered); - sandwich panels consisting of more than one metal sheet per face; - curved sandwich panels; - sandwich panels with perforated faces; - fasteners and fixings; - sandwich panels, placed on the market as a part of clean room kits, conditioning room kits, cold storage room kits and cold storage building envelope and building kits.

Keel: en
Alusdokumendid: prEN 14509-1
Asendab dokumenti: EVS-EN 14509:2013

Arvamusküsitluse lõppkuupäev: 13.08.2021

prEN 17555-1

Aggregates for construction works - Part 1: Characteristics

The Part 1 (harmonised) European Standard will specify the characteristics of aggregates for use in • concrete for buildings, roads and other civil engineering works, • mortar • bituminous mixtures and surface treatments for roads, airfields and other trafficked areas, • unbound and hydraulically bound materials for use in civil engineering work and road construction. Aggregates to be covered in this European Standard, are obtained by processing natural, manufactured or recycled materials and mixtures of these materials. Families of aggregates covered will include coarse aggregates, grit, fine aggregates, natural graded aggregates, all-in aggregates and added fillers. The standard will cover natural and manufactured aggregates having an oven dried particle density greater than 2,00 Mg/m3 and recycled aggregates with particle densities greater than 1,50 Mg/m3. Natural and manufactured aggregates of density less than or equal to 2,00 Mg/m3 are already covered by our existing standard EN 13055. The standard will not cover • the use of reclaimed bituminous mixtures. Reclaimed asphalt for use as a constituent of bituminous mixtures is specified in EN 13108-8. • use of aggregates as soil • the creation of unbound mixtures for road construction from aggregates as this aspect is specified in EN13285. The non-harmonised Part 2 standard will provide non-contradictory complementary information to assist in the practical application of the Part 1 standard, including advice on the reasons for testing and declaring various characteristics and recommendations for the practical implementation of factory production control measures.

Keel: en
Alusdokumendid: prEN 17555-1
Asendab dokumenti: EVS-EN 12620:2005+A1:2008
Asendab dokumenti: EVS-EN 13043:2004
Asendab dokumenti: EVS-EN 13043:2004/AC:2004
Asendab dokumenti: EVS-EN 13139:2005
Asendab dokumenti: EVS-EN 13139:2005/AC:2014
Asendab dokumenti: EVS-EN 13242:2006+A1:2008

Arvamusküsitluse lõppkuupäev: 13.08.2021

prEN 17555-2:2021

Aggregates for construction works - Part 2: Complementary information

The Part 1 (harmonised) European Standard will specify the characteristics of aggregates for use in • concrete for buildings, roads and other civil engineering works, • mortar • bituminous mixtures and surface treatments for roads, airfields and other trafficked areas, • unbound and hydraulically bound materials for use in civil engineering work and road construction. Aggregates to be covered in this European Standard, are obtained by processing natural, manufactured or recycled materials and mixtures of these materials. Families of aggregates covered will include coarse aggregates, grit, fine aggregates, natural graded aggregates, all-in aggregates and added fillers. The standard will cover natural and manufactured aggregates having an oven dried particle density greater than 2,00 Mg/m3 and recycled aggregates with particle densities greater than 1,50 Mg/m3. Natural and manufactured aggregates of density less than or equal to 2,00 Mg/m3 are already covered by our existing standard EN 13055. The standard will not cover • the use of reclaimed bituminous mixtures. Reclaimed asphalt for use as a constituent of bituminous mixtures is specified in EN 13108-8. • use of aggregates as soil • the creation of unbound mixtures for road

construction from aggregates as this aspect is specified in EN13285. The non-harmonised Part 2 standard will provide non-contradictory complementary information to assist in the practical application of the Part 1 standard, including advice on the reasons for testing and declaring various characteristics and recommendations for the practical implementation of factory production control measures.

Keel: en
Alusdokumendid: prEN 17555-2:2021

Arvamusküsitluse lõppkuupäev: 13.08.2021

prEN 17671

Heating systems and water based cooling systems in buildings - Design for water based cooling systems

This document specifies design criteria for closed water-based cooling systems in buildings. The requirements aim at achieving a proper technical quality level and maintaining the desired thermal indoor climate with minimum energy consumption. Systems for dissipating process heat from industrial processes, for example, are not covered by this document. This document does not amend product standards or product installation requirements. The standard covers cooling systems of the following type (see Figure 1): 1) devices for the water-based heat rejection of the chilling system; 2) devices for chilling and storage of chilled water; 3) devices for the distribution of chilled water; 4) devices for the absorption of heat ("cooling emission"); 5) control devices; 6) safety devices. The design of such systems is described in this document. In the case of water-based cooling systems with local operating temperatures ≤ 0 °C separate safety aspects may apply. The other Clauses of this document are still valid for those systems. This document does not cover the chilling system itself, but only the parts of the chilling system which are an integral part of the cooling system, including determination of the design performance.Furthermore this document does not cover: - the requirements for installation or instructions for operation, maintenance and use; - the design of the system components (e.g. recooler, chilling system, coolers, pipes, safety devices etc.). The relevant technical rules with regard to the prevention of corrosion are to be observed in the material selection for the system components and the nature of the heat transfer medium.

Keel: en
Alusdokumendid: prEN 17671

Arvamusküsitluse lõppkuupäev: 13.08.2021

prEN IEC 62055-31:2021

Electricity metering - Payment systems - Part 31: Particular requirements - Static payment meters for active energy (classes 1 and 2)

This part of IEC 62055 applies to newly manufactured, static watt-hour payment meters of accuracy classes 1 and 2 for direct connection, for the measurement of alternating current electrical energy consumption of a frequency in the range 45 Hz to 65 Hz that include a supply control switch for the purpose of interruption or restoration of the electricity supply to the load in accordance with the current value of the available credit maintained in the payment meter. It does not apply to static watt-hour payment meters where the voltage across the connection terminals exceeds 1000 V (line-to-line voltage for meters for polyphase systems). It applies to payment meters for indoor application, operating under normal climatic conditions where the payment meter shall be mounted as for normal service (i.e. together with a specified matching socket where applicable). Payment meters are implementations where all the main functional elements are incorporated in a single enclosure, together with any specified matching socket. There are also multi-device payment metering installations where the various main functional elements, such as the measuring element, the user interface unit, token carrier interface, and the supply control switch are implemented in more than one enclosure, involving additional interfaces. Functional requirements that apply to payment meters are also defined in this part of IEC 62055, and include informative basic functional requirements and tests for the prepayment mode of operation in Annex A. Allowances are made for the relatively wide range of features, options, alternatives, and implementations that may be found in practice. The diverse nature and functionality of payment meters prevent the comprehensive specification of detailed test methods for all of these requirements. However, in this case, the requirements are stated in such a way that tests can then be formulated to respect and validate the specific functionality of the payment meter being tested. This part of IEC 62055 does not cover specific functionality or performance requirements for circuit protection, isolation or similar purposes that may be specified through reference to other specifications or standards. Safety requirements removed from Edition 1.0 have been replaced with references to the safety requirements now contained in IEC 62052-31:2015, the product safety standard for newly manufactured electricity meters. In-service safety testing (ISST) is not covered by IEC 62052-31:2015 and is left to national best practice usually as an extension of existing in-service testing (IST) of metrology stability. This part of IEC 62055 does not cover software requirements. This part of IEC 62055 covers type-testing requirements only. For acceptance testing, the requirements given in IEC 62058-11:2008 and IEC 62058-31:2008 may be used. Dependability aspects are addressed in the IEC 62059 series of standards. Additional reliability, availability, maintenance and life cycle aspects are provided by IEC TC56. This part of IEC 62055 does not cover conformity tests and system compliance tests that may be required in connection with legal or other requirements of some markets.

Keel: en
Alusdokumendid: IEC 62055-31:202X; prEN IEC 62055-31:2021
Asendab dokumenti: EVS-EN 62055-31:2008

Arvamusküsitluse lõppkuupäev: 13.08.2021

93 RAJATISED

prEN 13450-1

Aggregates for railway ballast - Part 1: Characteristics

This document specifies the characteristics of aggregates for use in the construction of the upper layer (superstructure) of railway track. With regard to the material source and production process, this document covers natural aggregate (see 3.1.3), manufactured aggregate (see 3.1.4), recycled aggregates (see 3.1.5), and mixtures of these materials. Aggregates covered in this document are railway ballast (see 3.1.2). Railway ballast refers to aggregates where 100 % of the surface of the particles can be described as totally crushed (see 3.1.2) and that are obtained by processing natural, manufactured materials or recycled crushed unbound aggregates. Aggregates covered in this document are coarse aggregates (see 3.1.10). Railway ballast resulting of previously used railway ballast on site and without putting it on the market (reused railway ballast) is not covered by this document. This document does not cover: — natural and manufactured aggregates, having oven-dried particle density less than or equal to 2,00 Mg/m3, as they are already specified in prEN 13055:2021, — recycled aggregates, with particle densities less than 1,50 Mg/m3, — aggregates with a nominal upper size greater than 90 mm, — armourstone, as this is specified in prEN 13383-1:2021, — aggregates for construction works, as these are specified in prEN17555-1:2021, — use of aggregates contained within reclaimed bituminous mixtures, as the reclaimed asphalt for use as a constituent of bituminous mixtures is already specified in EN 13108 8:2016, — use of aggregates as soil, — use of aggregates in earthworks, as these are specified in EN 16907:2018, Parts 1 to 6.

Keel: en
Alusdokumendid: prEN 13450-1
Asendab dokumenti: EVS-EN 13450:2007
Asendab dokumenti: EVS-EN 13450:2007/AC:2014

Arvamusküsitluse lõppkuupäev: 13.08.2021

prEN 13450-2

Aggregates for railway ballast - Part 2: Complementary information

This document provides non-contradictory complementary information that can be of use when producing or purchasing railway ballast according to the harmonized standard prEN 13450-1:2021. NOTE prEN 13450-1:2021 is also required to be read in conjunction with the Construction Products Regulation. Reused railway ballast is not covered by this document.

Keel: en
Alusdokumendid: prEN 13450-2

Arvamusküsitluse lõppkuupäev: 13.08.2021

97 OLME. MEELELAHUTUS. SPORT

prEN 17667

Test method - Determination of thermal resistance of filled textile articles and similar items using small guarded hotplate apparatus

This method of test described a means of determining the thermal resistance of textile assemblies with a non-uniform thickness and child sleep bags and cot duvets. The test method is suitable for products with a thermal resistance within the range 0.25 tog (0.025 m².K/W) to 5.0 tog (0.5 m².K/W).

Keel: en
Alusdokumendid: prEN 17667

Arvamusküsitluse lõppkuupäev: 13.08.2021

TÕLKED KOMMENTEERIMISEL

Allpool on toodud teave kommenteerimisetappi jõudnud eesti keelde tõlgitavate Euroopa või rahvusvaheliste standardite ja standardilaadsete dokumentide kohta ja inglise keelde tõlgitavate algupäraste Eesti standardite ja dokumentide kohta.

Tõlkekavanditega saab tutvuda ja kommentaare esitada Eesti Standardimis- ja Akrediteerimiskeskuse veebilehel asuvas kommenteerimisportaalis: https://www.evs.ee/kommenteerimisportaal/

Igal kuul uuendatav teave eestikeelsena avaldatavate Eesti standardite kohta, sh eeldatavad kommenteerimise ja avaldamise tähtpäevad, on leitav Eesti Standardimis- ja Akrediteerimiskeskuse veebilehel avaldatavast standardimisprogrammist.

EVS-EN 14654-4:2021

Äravoolu- ja kanalisatsiooni süsteemid väljaspool hooneid. Käitustegevuste haldus ja kontroll. Osa 4: Kasutajalt sisestavate juurdevoolude kontroll

See dokument kehtestab nõuded väljaspool hooneid asuvate kanalisatsioonisüsteemide haldamisele ja kontrollimisele ning täpsustab nõuded tööprogrammide väljatöötamisele ja rakendamisele ning tehnikate valikule. See dokument koos standardiga EN 14654-1:2021 hõlmab kasutajatelt sisestavate juurdevoolude kontrolli. See on rakendatav äravoolu- ja kanalisatsioonisüsteemidele alates punktist, kus reovesi väljub hoonest, katuse drenaažisüsteemist või sillutatud alalt, kuni punktini, kus see juhitakse reoveepuhastisse või suublasse. Hoonete all asuvad äravoolutorud ja kollektorid on lisatud tingimusel, et need ei moodusta osa hoone drenaažisüsteemist.

Keel: et
Alusdokumendid: EN 14654-4:2021

Kommenteerimise lõppkuupäev: 14.07.2021

EVS-EN 16907-1:2018

Mullatööd. Osa 1: Põhimõtted ja üldeeskiri

Käesolevas Euroopa standardis (osa 1) on esitatud mullatööde kavandamise, projekteerimise ja kirjeldamise mõisted, põhimõtted ja üldeeskiri. Selles tutvustatakse standardi teisi osi, mida kasutatakse koos 1. osaga. Mullatööd on tsiviilehituse protsess, mille eesmärk on luua pinnaserajatisi, muutes maapinna geomeetriat ehitamiseks või muudeks tegevusteks. Pinnasetööde rakendusalad on seotud: — transporditaristud (maanteed, kiirteed, raudteed, veeteed, lennujaamad); — tööstus- ja kaubandushoonete ning elamute alused; — vesiehitus, kaitse üleujutuste eest ja rannakaitsetööd; — sadama- ja lennujaama-alad, sealhulgas muldkehade ehitamine vees; — jõetammid ja kaldarajatised merepõhja hõlvamiseks; — pinnase- ja kaljutäitega tammid; — hüdrauliliselt paigaldatud täitega kaldapealsed muldkehad; — müratõkked, visuaalsed tõkked ja muud mittekandvad pinnasetööd: — maastikukujunduslikud muldkehad; — avatud kaevanduste ja karjääreide tagasitäitmine; — rikastamisjäätmete hoidlad. Neid iseloomustab vajadus kasutada saadaolevaid looduslikke või taaskasutatavaid materjale ning käsitleda neid ettenähtud omaduste saamiseks sobival viisil. Käesolevat standardit kohaldatakse igat tüüpi pinnaserajatiste suhtes, välja arvatud allpool loetletud juhud: — teatud liiki töid, nagu kraavide ja väikeste mullatööde teostamine, võib korraldada lihtsustatud või erieeskirjade alusel; — mõned konstruktsioonid, näiteks jõetammid ja tammid, vajavad mullatöid, millele kehtivad spetsiifilised projekteerimis- ja ehitusnõuded: need võivad laieneda väljapoole käesoleva standardi eeskirju. Käesolev standard ei hõlma maapinna parandamist pinnaserajatise all selliste meetodite abil nagu kuhjamine, jugatsementeerimine, mass-stabiliseerimine, vertikaalsed äravoolud või kivivaiad. Muutuvate aluspinnase ja kliimatingimuste tõttu Euroopas ning erinevate riiklike lepingutingimuste tõttu on mitmes Euroopa riigis kehtestatud siseriiklikud eeskirjad, mida ei olnud võimalik lühikese aja jooksul Euroopa standardiga ühtlustada. Käesoleva Euroopa standardiga kehtestatakse seega põhieeskirjad eespool kirjeldatud eesmärkide saavutamiseks. Käesoleva dokumendi lisades B kuni H on esitatud näited nende eeskirjade järgsetest rahvuslikest tavadest.

Keel: et
Alusdokumendid: EN 16907-1:2018

Kommenteerimise lõppkuupäev: 14.07.2021

EVS-EN ISO 14025:2010

Keskkonnamärgised- ja teatised. III tüüpi keskkonnateatised. Põhimõtted ja protseduurid

See rahvusvaheline standard kehtestab põhimõtted ja määratleb protseduurid III tüübi keskkonnateatiste programmide ja III tüüpi keskkonnateatiste väljatöötamiseks. See kehtestab konkreetselt ISO 14040-seeria standardite kasutamise III tüüpi keskkonnateatiste programmide ja III tüüpi keskkonnateatiste väljatöötamisel. See rahvusvaheline standard kehtestab keskkonnateabe kasutamise põhimõtted lisaks ISO 14020-s sätestatule. Selles rahvusvahelises standardis kirjeldatud III tüübi keskkonnateatised on mõeldud peamiselt ettevõtete vaheliseks suhtluseks, kuid pole välistatud nende kasutamine teatavatel tingimustel ettevõtte ja tarbija vahelises suhtluses. See rahvusvaheline standard ei asenda ega muuda mingil viisil seadusega nõutavat keskkonnateavet, väiteid ega märgistust ega muid kehtivaid juriidilisi nõudeid. See rahvusvaheline standard ei sisalda sektoripõhiseid sätteid, mida võidakse käsitleda teistes ISO dokumentides. Eeldatakse, et sektoripõhised sätted muudes III tüüpi keskkonnateatistega seotud ISO dokumentides põhinevad käesoleva rahvusvahelise standardi põhimõtetel ja protseduuridel ning kasutavad neid.

Keel: et
Alusdokumendid: ISO 14025:2006; EN ISO 14025:2010

Kommenteerimise lõppkuupäev: 14.07.2021

EVS-EN ISO 20023:2018

Tahked biokütused. Tahke biokütuse pelletite ohutus. Pelletite ohutu käitlemine ja hoiustamine elamutes ja muudes väikesemahulistes kasutuskohtades

Selles dokumendis kirjeldatakse pelletite ohutu käitlemise ja hoiustamise põhimõtteid ja nõudeid elamutes ja muudes väikesemahulistes kasutuskohtades. See hõlmab tarneahelat alates veoki laadimisest, nõudeid veokile, ühendusi lõppkasutaja hoidlaga ning tarneprotsessi. Samuti hõlmab see pelletihoiusüsteemide projekteerimist ja ehitamist. Selles dokumendis käsitletakse järgmisi riske: tulekahju, tolmuplahvatus, gaaside eraldumine, hapniku lõppemine, seadmete ja hoonete kahjustumine pelletite paisumise tõttu ja muud terviseriskid. See kohaldub standardi ISO 17225-2 kohastele puitpelletitele.

Keel: et
Alusdokumendid: ISO 20023:2018; EN ISO 20023:2018

Kommenteerimise lõppkuupäev: 14.07.2021

prEN 50708-2-4

Jõutrafod. Täiendavad Euroopa nõuded. Osa 2-4: Keskmised jõutrafod. Erikatsed

Käesolev standard kirjeldab erikatseid keskmistele jõutrafodele võimsusega ≤ 3150 kVA, mis vastavad standardisarja EN 50708-2 nõuetele: - kurrutatud paagiga vedeliktäitega trafodele; - kadude mõõtmismeetodile ühe ülempinge- ja kahe alampingemähisega vedeliktäitega ja kuivtrafode jaoks.

Keel: et
Alusdokumendid: prEN 50708-2-4

Kommenteerimise lõppkuupäev: 14.07.2021

prEN 50708-2-5

Jõutrafod. Täiendavad Euroopa nõuded. Osa 2-5: Keskmised jõutrafod. Ühefaasilised

Selle dokumendi käsitlusalas on määratleda ühefaasiliste vedeliktäitega keskmiste jõutrafode energiatõhusus vastavalt standardile EN 50708-1-1: 2020.

Keel: et
Alusdokumendid: prEN 50708-2-5

Kommenteerimise lõppkuupäev: 14.07.2021

prEN 50708-2-6

Jõutrafod. Täiendavad Euroopa nõuded. Osa 2-6: Keskmised jõutrafod. Mittetavapärased tehnoloogiad

Selle dokumendi käsitlusalas on määratleda mittetavapärase tehnoloogiaga keskmiste jõutrafode energiatõhusus vastavalt standardile EN 50708-1-1:2020.

Keel: et
Alusdokumendid: prEN 50708-2-6

Kommenteerimise lõppkuupäev: 14.07.2021

prEN 54-1

Tulekahju avastamise ja tulekahju alarmeerimise süsteem. Osa 1: Sissejuhatus

Selles dokumendis määratletakse terminid ja määratlused, mida kasutatakse kogu standardis EN 54 standardite seerias. Selles antakse põhimõtted, millele on rajatud seeria iga osa, ja kirjeldatakse tulekahju avastamise ja tulekahjusignalisatsioonisüsteemi komponentide läbiviidavaid funktsioone. Käesolev dokument kehtib hoonete ja tsiviilehitustööde tulekahju avastamise ja tulekahjusignalisatsioonisüsteemide kohta. Käesolevat dokumenti ei rakendu suitsuanduriseadmete suhtes, mis on hõlmatud standardiga EN 14604.

Keel: et
Alusdokumendid: prEN 54-1

Kommenteerimise lõppkuupäev: 14.07.2021

prEVS-EN ISO 16283-1:2014+A1

Akustika. Heliisolatsiooni mõõtmine hoonetes ja hoone osadel. Osa 1: Õhuheli isolatsioon

Selles standardi ISO 16283 osas määratakse meetodid õhuheli isolatsiooni mõõtmiseks helirõhu abil hoone kahe ruumi vahel. Need meetodid on ette nähtud ruumidele ruumalaga 10-250 m3 sagedusalas 50 Hz kuni 5 000 Hz. Mõõtmistulemused kehtivad möbleerimata või möbleeritud ruumide õhuheli isolatsiooni määramisel, hindamisel ja võrdlemisel, kus helivälja võib võrrelda hajutatud või hajutamata väljaga. Mõõdetud õhuheli isolatsioon sõltub sagedusest ja seda saab teisendada ühearvuliseks suuruseks kasutades standardis ISO 717 1 esitatud meetodit.

Keel: et
Alusdokumendid: ISO 16283-1:2014; EN ISO 16283-1:2014; ISO 16283-1:2014/Amd 1:2017; EN ISO 16283-1:2014/A1:2017

Kommenteerimise lõppkuupäev: 14.07.2021

ALGUPÄRASTE STANDARDITE KEHTIVUSE PIKENDAMINE

Eesti standardite ülevaatuse tulemusena on pikendatud järgmiste standardite kehtivus:

EVS 860-3:2016

Tehniliste paigaldiste termiline isoleerimine. Osa 3: Katelde, gaasikäikude ja elektrifiltrite isolatsioon. Soojusisolatsiooni teostus
Thermal insulation of technical equipment - Part 3: Insulation of boilers, ducts and electrostatic precipitators - Application of thermal insulation

See standard on osa standardisarjast „Tehniliste paigaldiste termiline isoleerimine“, mis on koostatud projekteerijatele, töövõtjatele ning isolatsioonitööde tellijatele. See standard käsitleb katelde, gaasikäikude ja elektrifiltrite isolatsiooni paigaldamisele ja projekteerimisele esitatavaid nõudeid, kui isolatsioonimaterjalina kasutatakse mineraalvillast tooteid ja kattematerjalina lehtmetalli. Kui on kohaldatav, võib seda standardit rakendada ka muude isolatsioonitööde korral.

Kehtima jätmise alus: EVS/TK 30 otsus 28.04.2021 2-5/17 ja teade pikendamisküsitlusest 03.05.2021 EVS Teatajas

EVS 860-4:2016

Tehniliste paigaldiste termiline isoleerimine. Osa 4: Torustikud, mahutid ja seadmed. Mõõteseadmete soojusisolatsioon
Thermal insulation of technical equipment - Part 4: Insulation of pipes, vessels and equipment. Thermal insulation of field instrumentation

See standard on osa standardisarjast „Tehniliste paigaldiste termiline isoleerimine“, mis on koostatud projekteerijatele, töövõtjatele ning isolatsioonitööde tellijatele. See standard kirjeldab torustikele, mahutitele ja seadmetele paigaldatud mõõtevahendite soojusisoleerimise erinõudeid.

Kehtima jätmise alus: EVS/TK 30 otsus 28.04.2021 2-5/17 ja teade pikendamisküsitlusest 03.05.2021 EVS Teatajas

TÜHISTAMISKÜSITLUS

Selles rubriigis avaldame teavet Euroopa standardimisorganisatsioonides algatatud Euroopa standardite tühistamisküsitluste kohta ning rahvusvahelise alusstandardiga Eesti standardite ja Eesti algupäraste dokumentide tühistamisküsitluste kohta. Küsitluse eesmärk on välja selgitada, kas allpool nimetatud standardite ja standardilaadsete dokumentide jätkuv kehtimine Eesti ja/või Euroopa standardina/dokumendina on vajalik.

Allviidatud standardite ja dokumentide kehtivana hoidmise vajalikkusest palume teavitada EVS-i standardiosakonda (standardiosakond@evs.ee).

EVS-EN ISO 11507:2007

Paints and varnishes - Exposure of coatings to artificial weathering - Exposure to fluorescent UV lamps and water

This International Standard specifies exposure conditions for paint coatings to artificial weathering in apparatus including fluorescent UV lamps and condensation or water spray. The effects of weathering are separately evaluated by comparative testing of chosen parameters.

Keel: en
Alusdokumendid: ISO 11507:2007; EN ISO 11507:2007
Tühistamisküsitluse lõppkuupäev: 14.07.2021

TEADE EUROOPA STANDARDI OLEMASOLUST

Selles rubriigis avaldame teavet Euroopa standardite ja CENELEC-i harmoneerimisdokumentide kohta, mille on Eesti Standardimis- ja Akrediteerimiskeskusele kättesaadavaks teinud Euroopa standardimisorganisatsioonid, ja mille Eesti standardina avaldamiseks on vajalik täiendav ettevalmistusaeg. Selliste teadete avaldamine võib olla vajalik, et tagada Euroopa standardite jõustumine Eesti standardina samal ajal nii eesti- kui ka ingliskeelsena.

Igal kuul uuendatav teave eestikeelsena avaldatavate Eesti standardite kohta, sh eeldatavad kommenteerimise ja avaldamise tähtpäevad, on leitav Eesti Standardimis- ja Akrediteerimiskeskuse veebilehel avaldatavast standardimisprogrammist. Lisateave standardiosakonnast: standardiosakond@evs.ee.

EN 16282-7:2017+A1:2021

Equipment for commercial kitchens - Components for ventilation in commercial kitchens - Part 7: Installation and use of fixed fire suppression systems

Eeldatav avaldamise aeg Eesti standardina 08.2021

EN 1627:2021

Pedestrian doorsets, windows, curtain walling, grilles and shutters - Burglar resistance - Requirements and classification

Eeldatav avaldamise aeg Eesti standardina 08.2021

EN 1628:2021

Pedestrian doorsets, windows, curtain walling, grilles and shutters - Burglar resistance - Test method for the determination of resistance under static loading

Eeldatav avaldamise aeg Eesti standardina 07.2021

EN 1629:2021

Pedestrian doorsets, windows, curtain walling, grilles and shutters - Burglar resistance - Test method for the determination of resistance under dynamic loading

Eeldatav avaldamise aeg Eesti standardina 08.2021

EN 1630:2021

Pedestrian doorsets, windows, curtain walling, grilles and shutters - Burglar resistance - Test method for the determination of resistance to manual burglary attempts

Eeldatav avaldamise aeg Eesti standardina 07.2021

EN ISO 3452-1:2021

Non-destructive testing - Penetrant testing - Part 1: General principles (ISO 3452-1:2021)

Eeldatav avaldamise aeg Eesti standardina 08.2021

EN ISO 3452-2:2021

Non-destructive testing - Penetrant testing - Part 2: Testing of penetrant materials (ISO 3452-2:2021)

Eeldatav avaldamise aeg Eesti standardina 08.2021

UUED EESTIKEELSED STANDARDID JA STANDARDILAADSED DOKUMENDID

Igal kuul uuendatav teave eestikeelsena avaldatavate Eesti standardite kohta, sh eeldatavad kommenteerimise ja avaldamise tähtpäevad, on leitav Eesti Standardimis- ja Akrediteerimiskeskuse veebilehel avaldatavast standardimisprogrammist.

EVS 920-1:2021

Katuseehitusreeglid. Osa 1: Üldnõuded
Rules for roof building - Part 1: General requirements

Selles Eesti standardis käsitletakse katuseehituse üldiseid termineid, mõjusid ja nõudeid. See standard määratleb üldnõuded katuste projekteerimiseks, ehitamiseks, hooldamiseks ning esitab üldnõuded katuse ehitamisel kasutatavatele toodetele. Standard on kasutamiseks projekteerijatele, ehitajatele, tootjatele ja hoone omanikele. Standard määrab nõuded katustele ja katuse ehitamisel kasutatavatele toodetele nende kasutamiseks tavatingimustes. Standard ei esita nõudeid kõigile katuse tüüpidele ega kõikidele arhitektuurilahendustele. MÄRKUS Selles standardis ei käsitleta vannkatuseid, rippkatuseid, kilekatuseid, tekstiilkatuseid, klaaskatuseid jne.

EVS-EN 12255-6:2002

Reoveepuhastid. Osa 6: Aktiivmudaprotsessid
Wastewater treatment plants - Part 6: Activated sludge processes

See Euroopa standard määratleb reoveepuhastuse toimivusnõuded puhastitele, milles on kasutusel aktiivmudaprotsessid, reostuskoormusega enam kui 50 ie. Erinevused Euroopa reoveepuhastuses on viinud mitmesuguste süsteemide väljatöötamiseni. Standard annab põhiteavet süsteemide kohta ega püüa määratleda kõiki olemasolevaid süsteeme. Üksikasjalikumat teavet lisaks standardis sisalduvale teabele võib leida kirjanduse loetelust.

EVS-EN 13445-1:2021

Leekkuumutuseta surveanumad. Osa 1: Üldine
Unfired pressure vessels - Part 1: General

See dokument määratleb terminid, määratlused, mõõtühikud, sümbolid ja ühikud, mida kasutatakse kogu standardisarja EN 13445 ulatuses, ja annab üldist teavet anumate kavandamise ja tootmise kohta selle standardi kohaselt. See sisaldab ka juhiseid, kuidas standardit kasutada (lisa A), samuti loendit, mis katab kogu standardit (lisa B). See info on suunatud standardisarja EN 13445 kasutaja abistamiseks. See dokument kohaldub leekkuumutuseta surveanumatele, mille maksimaalne lubatud rõhk ületab 0,5 bar, aga seda võib kasutada ka madalamate töörõhkudega anumate, kaasa arvatud vaakum, juures. See dokument ei ole kohaldatav järgmist tüüpi surveanumatele: — needitud konstruktsiooniga anumad; — lamellaarsest malmist või mõnest muust materjalist anumad, mis ei sisaldu standardi osas 2, 6 või 8; — mitmekihilised, plastiliselt jääkpingestatud (autofrettaged) või eelpingestatud anumad. Seda dokumenti saab kohaldada järgmistele surveanumatele, kui võetakse arvesse täiendavaid ja/või alternatiivseid ohuanalüüsidest ja reeglitest või juhenditest tulenevaid spetsiifilisi nõudeid: — transporditavatele mahutitele, — spetsiaalselt tuumaenergia kasutamiseks kavandatud toodetele, — ülekuumenemisohuga surveanumatele. MÄRKUS EN 14222 hõlmab roostevabast terasest valmistatud elektrikatlaid ja neid saab kasutada selliste anumate lisanõuete näitena. Teised Euroopa standardid kohalduvad tööstustorustikele (standardisari EN 13480) ja veetorudega kateldele ning trummelkateldele (standardisari EN 12952 ja standardisari EN 12953).

EVS-EN 13445-2:2021

Leekkuumutuseta surveanumad. Osa 2: Materjalid
Unfired pressure vessels - Part 2: Materials

See dokument määratleb nõuded terasest toodetele, mida kasutatakse leekkuumutuseta surveanumates. Mõnede mitte terasest metalliliste materjalide, nagu näiteks keragrafiitmalm, alumiinium, nikkel, vask, titaan, nõuded on sõnastatud või sõnastatakse selle dokumendi eraldi osades. Metalliliste materjalide korral, mis ei ole kaetud harmoneeritud materjali standardiga ja mis ei saa tõenäoliselt ka lähitulevikus kaetud, on selles osas või eespool esitatud selle dokumendi osades toodud erireeglid.

EVS-EN 14654-2:2021

Äravoolu- ja kanalisatsioonisüsteemid väljaspool hooneid. Käitustegevuste haldamine ja kontroll. Osa 2: Rehabilitatsioon
Drain and sewer systems outside buildings - Management and control of activities - Part 2: Rehabilitation

See dokument kehtestab tegevuste juhtimis- ja kontrollialased nõuded väljaspool hooneid olevatele äravoolu- ja kanalisatsioonisüsteemidele ning määrab kindlaks tööprogrammide väljatöötamise ja rakendamise ning tehnikate valiku nõuded. See dokument hõlmab rehabilitatsioonitegevuste juhtimist ja kontrolli. Seda kohaldatakse äravoolu- ja kanalisatsioonisüsteemidele alates punktist, kus reovesi väljub hoonest, katuselt sadeveesüsteemist või sillutatud alalt punktini, kus see juhitakse reoveepuhastisse või heitvett vastu võtvasse veekokku. Siia kuuluvad hoonete all asuvad äravoolutorud ja kanalisatsioon, tingimusel et need ei ole osa hoone sadeveesüsteemist.

EVS-EN 1891:1999

Kukkumisvastased isikukaitsevahendid. Vähevenivad kernmantel-köied
Personal protective equipment for the prevention of falls from a height - Low stretch kernmantel ropes

Seda Euroopa standardit kohaldatakse vähevenivatele tekstiilist kernmantel-köitele läbimõõduga 8,5 mm kuni 16 mm, mis on mõeldud kasutamiseks köie abil liikumisel mis tahes tööasendi tagamiseks või piiramiseks, päästetöödeks või speleoloogias. Määratletud on kaks kernmantel-köie tüüpi: A ja B. Euroopa standardis täpsustatakse selliste vähevenivate kernmantel-köitega seotud nõuded, katsed, märgistus ja tootja poolt, sealhulgas tootja kasutusjuhendis, esitatav teave. MÄRKUS 1 On võimalik, et eelkirjeldatud tegevuseks sobib ka köis, mis sellele Euroopa standardile ei vasta. MÄRKUS 2 Köite puhul, mida kasutatakse kaitseks mis tahes vabaronimisel köie abil liikudes, päästetööde käigus või speleoloogias, peaks arvestama teisi standardeid, nt EN 892. Köie abil liikumisel ja tööasendi tagamisel võib kaitseks kasutada ka dünaamilist mägironimisköit.

STANDARDIPEALKIRJADE MUUTMINE

Selles jaotises avaldame infot Eesti standardite eesti- ja ingliskeelsete pealkirjade muutmise kohta ja ingliskeelsete pealkirjade tõlkimise kohta.
Lisainformatsioon või ettepanekud standardipealkirjade ebatäpsustest enquiry@evs.ee.

Dokumendi tähis	Muudetav pealkiri	Uus pealkiri
EVS-EN 1891:1999	Kõrgelt kukkumise isikukaitsevahendid. Vähevenivad kernmantel-köied	Kukkumisvastased isikukaitsevahendid. Vähevenivad kernmantel-köied

UUED EESTIKEELSED PEALKIRJAD

Dokumendi tähis	Ingliskeelne pealkiri	Eestikeelne pealkiri
EVS-EN 12255-6:2002	Wastewater treatment plants - Part 6: Activated sludge processes	Reoveepuhastid. Osa 6: Aktiivmudaprotsessid
EVS-EN 14654-2:2021	Drain and sewer systems outside buildings - Management and control of activities - Part 2: Rehabilitation	Äravoolu- ja kanalisatsioonisüsteemid väljaspool hooneid. Käitustegevuste haldamine ja kontroll. Osa 2: Rehabilitatsioon

UUED HARMONEERITUD STANDARDID

Toote nõuetele vastavuse seaduse kohaselt avaldab Eesti Standardimis- ja Akrediteerimiskeskus oma veebilehel ja ametlikus väljaandes teavet harmoneeritud standardeid ülevõtvate Eesti standardite kohta.

Harmoneeritud standardiks nimetatakse EL-i õigusaktide kontekstis Euroopa Komisjoni standardimisettepaneku alusel Euroopa standardimisorganisatsioonide koostatud ja vastu võetud standardit.

Harmoneeritud standardite kasutamise korral eeldatakse enamiku vastavate õigusaktide mõistes, et standardi kohaselt valmistatud toode täidab õigusakti olulisi nõudeid ning on üldjuhul kõige lihtsam viis tõendada õigusaktide oluliste nõuete täitmist. Harmoneeritud standardi täpne tähendus ja õiguslik staatus tuleneb siiski iga õigusakti tekstist eraldi ning võib õigusaktist olenevalt erineda.

Lisainfo:
https://ec.europa.eu/growth/single-market/european-standards/harmonised-standards

Eesti Standardimis- ja Akrediteerimiskeskus avaldab ametlikus väljaandes harmoneeritud standardeid ülevõtvate Eesti standardite kohta järgmist infot:

- harmoneeritud standardi staatuse saanud Eesti standardid
- harmoneeritud standardi staatuses olevate Eesti standardite kohta avaldatud märkused ja hoiatused, mida tuleb standardite järgimisel arvestada
- harmoneeritud standardi staatuse kaotanud Eesti standardid

Info esitatakse vastavate õigusaktide kaupa.

Komisjoni määrus (EL) 2019/2023
Kodumajapidamises kasutatavate pesumasinate ja pesumasinate-kuivatite ökodisaini nõuded
Komisjoni määrus (EL) 2019/2014
Kodumajapidamises kasutatavate pesumasinate ja pesumasinate-kuivatite energiamärgistus

Komisjoni rakendusotsus (EL) 2021/936
(EL Teataja 2021/ L 204/42)

Harmoneeritud standardit ülevõtva Eesti standardi tähis ja pealkiri	Kuupäev, millest alates Eesti standardi aluseks olevat Euroopa standardit võib rakendada harmoneeritud standardina	Viide asendatavale Euroopa standardile	Kuupäev, mil asendatava standardi järgimisest tulenev vastavuseeldus kaotab kehtivuse
EVS-EN 60456:2016 Kodumajapidamises kasutatavad pesupesemismasinad. Toimivuse mõõtemeetodid Piirang: käesolev viite avaldamine ei hõlma standardi järgmisi osi: a) punktid ZA.4.9 ja ZA.4.10; b) tabeli ZZA.1 veerg „Remarks/Notes*“(märkused).	10.06.2021	EN 60704-2-4:2012	10.06.2021
EVS-EN 60456:2016/A11:2020 Kodumajapidamises kasutatavad pesupesemismasinad. Toimivuse mõõtemeetodid	10.06.2021		
EVS-EN IEC 62512:2020 Kodumajapidamises kasutatavad elektrilised rõivapesu- ja rõivakuivatusmasinad. Toimivuse mõõtemeetodid Piirang: käesolev viite avaldamine ei hõlma standardi järgmisi osi: a) punktid ZA.4.9 ja ZA.4.10; b) tabeli ZZA.1 veerg „Remarks/Notes*“(märkused).	10.06.2021	EN 50229:2015	10.06.2021
EVS-EN IEC 62512:2020/A11:2020 Kodumajapidamises kasutatavad elektrilised rõivapesu- ja rõivakuivatusmasinad. Toimivuse mõõtemeetodid	10.06.2021		

Komisjoni määrus (EL) 2019/2022
Kodumajapidamises kasutatavate nõudepesumasinate ökodisaini nõuded
Komisjoni määrus (EL) 2019/2017
Kodumajapidamises kasutatavate nõudepesumasinate energiamärgistus
Komisjoni rakendusotsus (EL) 2021/913
(EL Teataja 2021/ L 199/13)

Harmoneeritud standardit ülevõtva Eesti standardi tähis ja pealkiri	Kuupäev, millest alates Eesti standardi aluseks olevat Euroopa standardit võib rakendada harmoneeritud standardina	Viide asendatavale Euroopa standardile	Kuupäev, mil asendatava standardi järgimisest tulenev vastavuseeldus kaotab kehtivuse
EVS-EN 60436:2020 Kodumajapidamises kasutatavad elektrilised nõudepesumasinad. Toimivuse mõõtemeetodid	07.06.2021	EN 50242:2016	07.06.2021
Piirangud: a) punkti „2 Normative references“ (normiviited) kohaldamisel kasutatakse järgmisi harmoneeritud standardite versioone: i) EN 50564:2011; ii) EN 50643:2018, mida on muudetud standardiga EN 50643:2018/A1:2020; iii) EN 60704-2-3:2019; iv) EN 60704-2-3:2019, mida on muudetud standardiga EN 60704-2-3:2019/A11:2019; v) EN 60705:2015, mida on muudetud standardiga EN 60705:2015/A2:2018; vi) EN 60734:2012; vii) ISO 607:1980; b) käesolev viite avaldamine ei hõlma tabeli ZZA.1 veergu „Remarks/Notes*“(märkused).			
EVS-EN 60436:2020/A11:2020 Kodumajapidamises kasutatavad elektrilised nõudepesumasinad. Toimivuse mõõtemeetodid	07.06.2021		
EVS-EN 60436:2020/AC:2020 Kodumajapidamises kasutatavad elektrilised nõudepesumasinad. Toimivuse mõõtemeetodid	07.06.2021		