

KAITSEKINDAD. ÜLDNÕUDED JA KATSEMEETODID

Protective gloves - General requirements and test methods (ISO 21420:2020 + ISO 21420:2020/Amd 1:2022)

EESTI STANDARDI EESSÕNA**NATIONAL FOREWORD**

See Eesti standard EVS-EN ISO 21420:2020+A1:2024 sisaldab Euroopa standardi EN ISO 21420:2020 ja selle muudatuse A1:2024 ingliskeelset teksti.	This Estonian standard EVS-EN ISO 21420:2020+A1:2024 consists of the English text of the European standard EN ISO 21420:2020 and its amendment A1:2024.
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Muudatusega A1 lisatud või muudetud teksti algus ja lõpp on tekstis tähistatud sümbolitega A1 A1 .	The start and finish of text introduced or altered by amendment A1 is indicated in the text by tags A1 A1 .
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EUROPEAN STANDARD

EN ISO 21420 + A1

NORME EUROPÉENNE

EUROPÄISCHE NORM

March 2020, July 2024

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Supersedes EN 420:2003+A1:2009

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Protective gloves - General requirements and test methods (ISO 21420:2020 + ISO 21420:2020/Amd 1:2022)

Gants de protection - Exigences générales et méthodes
d'essai (ISO 21420:2020 + ISO 21420:2020/Amd
1:2022)

Schutzhandschuhe - Allgemeine Anforderungen und
Prüfverfahren (ISO 21420:2020 + ISO
21420:2020/Amd 1:2022)

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CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

European foreword

This document (EN ISO 21420:2020) has been prepared by Technical Committee ISO/TC 94 "Personal safety -- Personal protective equipment" in collaboration with Technical Committee CEN/TC 162 "Protective clothing including hand and arm protection and lifejackets" the secretariat of which is held by DIN.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by September 2020, and conflicting national standards shall be withdrawn at the latest by September 2020.

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Endorsement notice

The text of ISO 21420:2020 has been approved by CEN as EN ISO 21420:2020 without any modification.

A1 Amendment A1 European foreword

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Foreword

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ISO 21420 was prepared by Technical Committee ISO/TC 94, *Personal safety — Protective clothing and personal protective equipment*, Subcommittee SC 13, *Protective clothing*, in collaboration with the European Committee for Standardization (CEN) Technical Committee CEN/TC 162, *Protective clothing including hand and arm protection and lifejackets*, in accordance with the Agreement on technical cooperation between ISO and CEN (Vienna Agreement).

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Introduction

This document is a reference standard to be referred to as appropriate by the specific standards relevant or applicable to protective gloves.

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Protective gloves — General requirements and test methods

1 Scope

This document specifies the general requirements and relevant test procedures for glove design and construction, innocuousness, comfort and efficiency, as well as the marking and information supplied by the manufacturer applicable to all protective gloves.

It can also apply to arm protectors and gloves permanently incorporated in containment enclosures.

Gloves and hand protectors such as mittens, pot holders and arm protection are covered by this document.

This document does not address the protective properties of gloves and therefore is not used alone but only in combination with the appropriate specific standard(s). A non-exhaustive list of these standards is given in the Bibliography.

2 Normative references

[A1] The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO 3071:2020, *Textiles — Determination of pH of aqueous extract*

ISO 3758:2012, *Textiles — Care labelling code using symbols*

ISO 4045:2018, *Leather — Determination of pH*

ISO 7000:2019, *Graphical symbols for use on equipment — Registered symbols*

ISO 11092:2014, *Textiles — Physiological effects — Measurement of thermal and water-vapour resistance under steady-state conditions (sweating guarded-hotplate test)*

ISO 14268:2012, *Leather — Physical and mechanical tests — Determination of water vapour permeability*

ISO 14362-1:2017, *Textiles — Methods for determination of certain aromatic amines derived from azo colourants — Part 1: Detection of the use of certain azo colorants accessible with and without extracting the fibres*

ISO 16073-4:2019, *Wildland firefighting personal protective equipment — Part 4 Gloves*

ISO 16190:2021, *Footwear — Critical substances potentially present in footwear and footwear components — Test method to quantitatively determine polycyclic aromatic hydrocarbons (PAH) in footwear materials*

ISO 17075-1:2017, *Leather — Chemical determination of chromium(VI) content in leather — Part 1: Colorimetric method*

ISO 17075-2:2017, *Leather — Chemical determination of chromium(VI) content in leather — Part 2: Chromatographic method*

ISO 17234-1:2020, *Leather — Chemical tests for the determination of certain azo-colourants in dyed leather — Part 1: determination of certain aromatic amines derives from azo colourants*

ISO 20344:2021, *Personal protective equipment — Test method for footwear*

ISO 23388:2018, *Protective gloves against mechanical risks*

EN 388:2016+A1:2018, *Protective gloves against mechanical risks*

EN 1149-1:2006, *Protective clothing — Electrostatic properties — Part 1: Test method for measurement of surface resistivity*

EN 1149-3:2004, *Protective clothing — Electrostatic properties — Part 3: Test methods for measurement of charge decay*

EN 1811:2011+A1:2015, *Reference test method for release of nickel from post assemblies which are inserted into pierced parts of the human body and articles intended to come into direct and prolonged contact with the skin*

EN 16350:2014, *Protective gloves — Electrostatic properties*

EN 16778:2016, *Protective gloves — Determination of dimethylformamide in gloves* 

3 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

3.1

dexterity

manipulative ability to perform a task with the hands

3.2

glove

personal protective equipment (PPE) which protects the hand or part of the hand against hazards. It can additionally cover part of the forearm and arm

3.3

glove palm

part of the glove which covers the palm of the hand, i.e. from the wrist to the base of the fingers

3.4

glove back

part of the glove which covers the back of the hand, i.e. from the wrist to the base of the fingers

3.5

hand

end part of the body beyond the wrist, including palm, fingers and the thumb

Note 1 to entry: See Figure 1.