

HOONETE JA JALGTEEDE MITTEKANDVATES LIIDETES  
KASUTATAVAD HERMEETIKUD. OSA 3:  
SANITAARRUUMIDE HERMEETIKUD

Sealants for non-structural use in joints in buildings and  
pedestrian walkways - Part 3: Sealants for sanitary  
joints

## EESTI STANDARDI EESSÕNA

## NATIONAL FOREWORD

See Eesti standard EVS-EN 15651-3:2017 sisaldab Euroopa standardi EN 15651-3:2017 ingliskeelset teksti.	This Estonian standard EVS-EN 15651-3:2017 consists of the English text of the European standard EN 15651-3:2017.
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Standard on kättesaadav Eesti Standardikeskusest.	The standard is available from the Estonian Centre for Standardisation.

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English Version

Sealants for non-structural use in joints in buildings and  
pedestrian walkways - Part 3: Sealants for sanitary joints

Mastics pour joints pour des usages non structuraux  
dans les constructions immobilières et pour chemins  
piétonniers - Partie 3 : Mastics sanitaires

Fugendichtstoffe für nicht tragende Anwendungen in  
Gebäuden und Fußgängerwegen - Teil 3: Dichtstoffe  
für Fugen im Sanitärbereich

This European Standard was approved by CEN on 25 December 2016.

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EUROPEAN COMMITTEE FOR STANDARDIZATION  
COMITÉ EUROPÉEN DE NORMALISATION  
EUROPÄISCHES KOMITEE FÜR NORMUNG

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## European foreword

This document (EN 15651-3:2017) has been prepared by Technical Committee CEN/TC 349 “Sealants for joints in building construction”, the secretariat of which is held by AFNOR.

This document supersedes EN 15651-3:2012.

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of an identical text or by endorsement, at the latest by August 2017, and conflicting national standards shall be withdrawn at the latest by November 2018.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN [and/or CENELEC] shall not be held responsible for identifying any or all such patent rights.

This document has been prepared under a mandate given to CEN by the European Commission and the European Free Trade Association, and supports basic work requirements of EU Regulation.

For relationship with EU Regulation, see informative Annex ZA, which is an integral part of this document.

This document is one of the product European Standards within the framework series of EN 15651 on *Sealants for non-structural use in joints in buildings and pedestrian walkways*, as follows:

- *Part 1: Sealants for facade elements,*
- *Part 2: Sealants for glazing,*
- *Part 3: Sealants for sanitary joints* (this document),
- *Part 4: Sealants for pedestrian walkways,*
- *Part 5: Assessment and verification of constancy of performance, marking and labelling.*

The following significant technical changes have been implemented in this new edition:

- Clause 4.1.3 and Clause 5 have been improved;
- Clause 4.5 has been modified;
- Clause 7 and Annex ZA have been changed in accordance with the regulation (EU) No.305/2011.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

## 1 Scope

This European Standard specifies definitions and requirements for sealants used for sealing of joints applied in sanitary areas in the interior of buildings exposed to non-pressurized water.

It covers joints in:

- bathrooms;
- toilets;
- showers;
- domestic kitchens;
- prefabricated elements in sanitary areas (e.g. shower cubicles).

Industrial, drinking water, underwater (swimming pools, sewage systems, etc.), food contact applications and sealing of glass-ceramic cooktop panels (stove tops, ceramic hobs) are excluded from the scope.

This European Standard does not provide criteria or recommendations for the design of joints and installation of sealants in sanitary applications.

NOTE Provisions on assessment and verification of constancy of performance - AVCP (i.e. Product type determination and Factory Production Control) and marking of these products are given in EN 15651-5.

This European Standard does not apply to non-structural sealants in any of non-paste form, to those used in sanitary joints and to oil-based mastics.

## 2 Normative references

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

EN 13238, *Reaction to fire tests for building products - Conditioning procedures and general rules for selection of substrates*

EN 13501-1, *Fire classification of construction products and building elements — Part 1: Classification using data from reaction to fire tests*

EN 15651-5:2017, *Sealants for non-structural use in joints in buildings and pedestrian walkways - Part 5: Evaluation of conformity and marking*

EN ISO 846:1997, *Plastics - Evaluation of the action of microorganisms (ISO 846:1997)*

EN ISO 868, *Plastics and ebonite - Determination of indentation hardness by means of a durometer (Shore hardness) (ISO 868)*

EN ISO 2811-1:2016, *Paints and varnishes - Determination of density - Part 1: Pycnometer method (ISO 2811-1:2016)*

EN ISO 6927, *Buildings and civil engineering works - Sealants - Vocabulary (ISO 6927)*

EN ISO 7390, *Building construction - Jointing products - Determination of resistance to flow of sealants (ISO 7390)*

EN ISO 8340, *Building construction - Sealants - Determination of tensile properties at maintained extension (ISO 8340)*

EN ISO 9047, *Building construction - Jointing products - Determination of adhesion/cohesion properties of sealants at variable temperatures (ISO 9047)*

EN ISO 10563, *Building construction - Sealants - Determination of change in mass and volume (ISO 10563)*

EN ISO 10590, *Building construction - Sealants - Determination of tensile properties of sealants at maintained extension after immersion in water (ISO 10590)*

EN ISO 10591, *Building construction - Sealants - Determination of adhesion/cohesion properties of sealants after immersion in water (ISO 10591)*

EN ISO 11358 (all parts), *Plastics — Thermogravimetry (TG) of polymers — General principles (ISO 11358)*

EN ISO 11600:2003, *Building construction - Jointing products - Classification and requirements for sealants (ISO 11600:2002)*

EN ISO 11925-2, *Reaction to fire tests - Ignitability of products subjected to direct impingement of flame - Part 2: Single-flame source test (ISO 11925-2)*

ISO 13640, *Building construction — Jointing products — Specifications for test substrates*

### 3 Terms and definitions

For the purposes of this document, the terms and definitions given in EN ISO 6927 and the following apply.

#### 3.1

##### **non-reactive sealant**

mainly physical drying mechanism, without significant change in the molecular weight of the main polymer

#### 3.2

##### **reactive sealant**

mainly curing by chemical reaction, with significant increase of the molecular weight of the main polymer

#### 3.3

##### **cure**

irreversible transformation of a sealant from a liquid or paste-like state into a hardened or rubber-like solid state

#### 3.4

##### **uncured / wet**

state of a sealant prior to the above transformation