

SLOVENSKI STANDARD kSIST FprEN 15651-4:2016

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Tesnilne mase za nekonstrukcijske stike v stavbah in na površinah za pešce - 4. del: Tesnilne mase za površine za pešce

Sealants for non-structural use in joints in buildings and pedestrian walkways - Part 4: Sealants for pedestrian walkways

Fugendichtstoffe für nicht tragende Anwendungen in Gebäuden und Fußgängerwegen - Teil 4: Fugendichtstoffe für Fußgängerwege

Mastics pour joints pour des usages non structuraux dans les constructions immobilières et pour chemins piétonniers - Partie 4 : Mastics pour chemins piétonniers

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Sealants for non-structural use in joints in buildings and pedestrian walkways - Part 4: Sealants for pedestrian walkways

Mastics pour joints pour des usages non structuraux dans les constructions immobilières et pour chemins piétonniers - Partie 4 : Mastics pour chemins piétonniers Fugendichtstoffe für nicht tragende Anwendungen in Gebäuden und Fußgängerwegen - Teil 4: Fugendichtstoffe für Fußgängerwege

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

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European foreword

This document (FprEN 15651-4:2016) 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 is currently submitted to the Unique Acceptance Procedure.

This document supersedes EN 15651-4:2012.

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,
- Part 4: Sealants for pedestrian walkways (this document),
- 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 7 and Annex ZA have been changed in accordance with the regulation (EU) No.305/2011.

1 Scope

This European Standard specifies definitions and requirements for cold applied non-structural elastic sealants used for movement joints in floors in building construction for interior and exterior use.

Areas of application are: floor joints designed for pedestrian walkways, public areas, movement joints between concrete slabs, areas with pedestrian load, areas used with trolleys, walkable floors, balconies, terraces, warehouses.

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.

Chemical containment, cold applied joint sealants for concrete pavements to be used in roads, airfields and sewage treatment plants, perimeter seals and seals in wood floors are excluded.

This European Standard does not apply to non-structural sealants in any of non-paste form, to those used in pedestrian walkways.

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 14187-3, Cold applied joint sealants - Part 3: Test method for the determination of self-levelling properties

FprEN 15651-5:2016, Sealants for non-structural use in joints in buildings and pedestrian walkways - Part 5: Evaluation of conformity and marking

EN ISO 291, Plastics - Standard atmospheres for conditioning and testing (ISO 291)

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: Pyknometer method (ISO 2811-1:2016)

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

EN ISO 7389, Building construction - Jointing products - Determination of elastic recovery of sealants (ISO 7389)

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

EN ISO 8339, Building construction - Sealants - Determination of tensile properties (Extension to break) (ISO 8339)

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

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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 11358 (all parts), Plastics — Thermographimetry (TG) of polymers — General principles (ISO 11358)

EN ISO 11431, Building construction - Jointing products - Determination of adhesion/cohesion properties of sealants after exposure to heat, water and artificial light through glass (ISO 11431)

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

reactive sealant

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

3.2

cure

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

3.3

uncured / wet

state of a sealant prior to the above transformation

4 Requirements

4.1 Identification requirements

4.1.1 Short description of the sealant

The short description of the non-structural sealant for pedestrian walkways shall include brand name, type (general, chemical, family, one or multi-component e.g. one component Polyurethane sealant in different colours, etc.).

The primer shall be stated for the substrate concerned, if relevant (name, chemical type, etc.).