



**SLOVENSKI STANDARD
SIST EN 1902:2015**

01-julij-2015

**Nadomešča:
SIST EN 1902:2000**

Lepila - Preskusna metoda za lepila za talne in stenske obloge - Dolgotrajni strižni preskus

Adhesives - Test method for adhesives for floor coverings and wall coverings - Shear creep test

Klebstoffe - Prüfverfahren für Klebstoffe für Boden- und Wandbeläge - Zeitstand-Scherversuch

Adhésifs - Méthodes d'essai des adhésifs pour revêtements muraux et de sol - Essai de fluage sous contrainte de cisaillement

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Ta slovenski standard je istoveten z: EN 1902:2015

ICS:

83.180 Lepila Adhesives

SIST EN 1902:2015 en,fr,de

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EUROPEAN STANDARD

EN 1902

NORME EUROPÉENNE

EUROPÄISCHE NORM

April 2015

ICS 83.180

Supersedes EN 1902:1999

English Version

Adhesives - Test method for adhesives for floor and wall coverings - Shear creep test

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This European Standard was approved by CEN on 16 February 2015.

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This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the CEN-CENELEC Management Centre has the same status as the official versions.

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

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Foreword

This document (EN 1902:2015) has been prepared by Technical Committee CEN/TC 193 “Adhesives”, the secretariat of which is held by AENOR.

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of an identical text or by endorsement, at the latest by October 2015 and conflicting national standards shall be withdrawn at the latest by October 2015.

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 supersedes EN 1902:1999.

The main changes in respect to EN 1902:1999 are the following:

- the change of the roller dimensions;
- the change of temperature of conditioning of a substrate.

SAFETY PRECAUTIONS — Persons using this document should be familiar with the normal laboratory practice, if applicable. This document does not purport to address all of the safety problems, if any, associated with its use. It is the responsibility of the user to establish appropriate safety and health practices and to ensure compliance with any regulatory conditions.

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, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

EN 1902:2015 (E)

1 Scope

This European Standard specifies a test method that gives an assessment of adhesion under long-term shear stress after bonding floor or wall coverings to a given substrate. The term “wall covering” does not include any type of wallpaper.

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 923:2005+A1:2008, *Adhesives - Terms and definitions*

EN 1067, *Adhesives - Examination and preparation of samples for testing*

EN ISO 15605, *Adhesives - Sampling (ISO 15605)*

EN ISO 10365, *Adhesives - Designation of main failure patterns (ISO 10365)*

ISO 554, *Standard atmospheres for conditioning and/or testing - Specifications*

3 Terms and definitions

For the purposes of this document, the terms and definitions given in EN 923:2005+A1:2008 and the following apply.

3.1

covering

flexible resilient or textile floor covering or wall covering

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3.2

adhesive for coverings

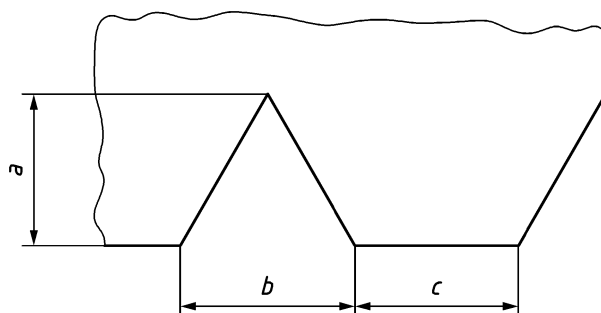
adhesive which is intended to produce firm and durable bonds between coverings and various substrates

4 Principle

The bonding performance of a floor or wall covering/adhesive combination is assessed under exposure to a static shear force by monitoring the time until failure of the test pieces.

5 Apparatus and materials

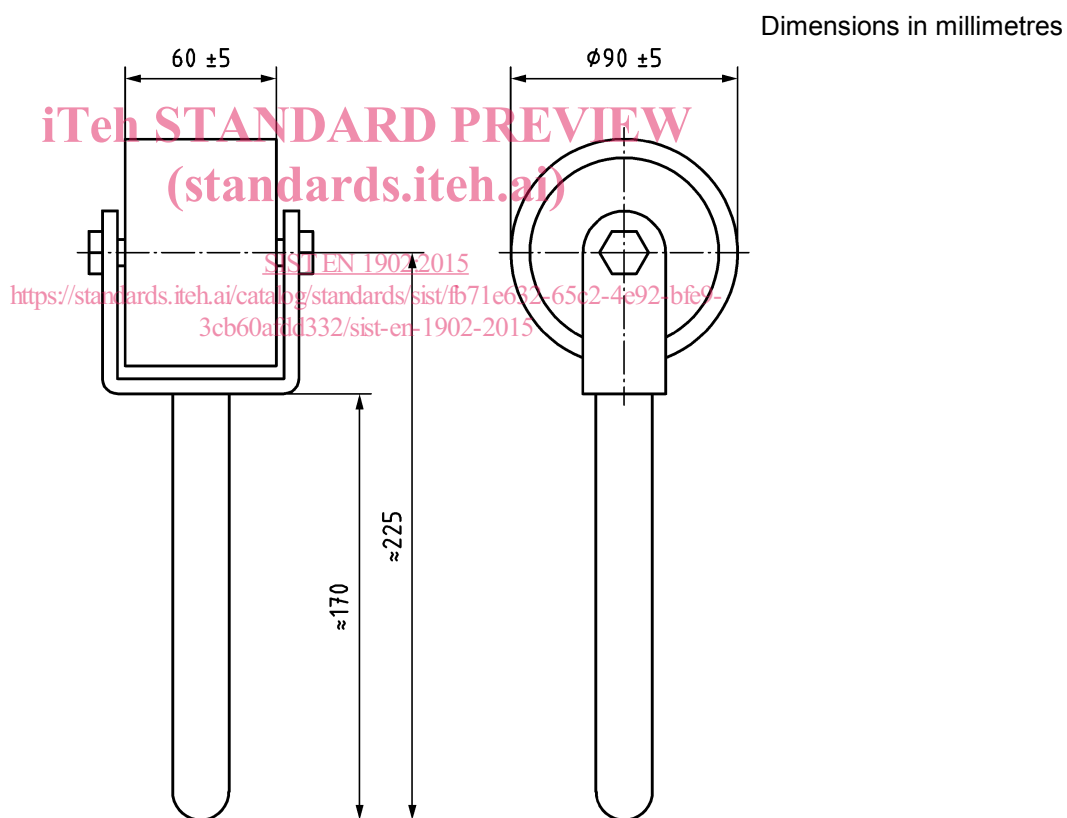
5.1 Notched trowel, (for the shape of the notch, see Figure 1) with dimensions *a*, *b* and *c* specified by the adhesive manufacturer.

**Key**

- a* notch depth
- b* notch width
- c* notch distance

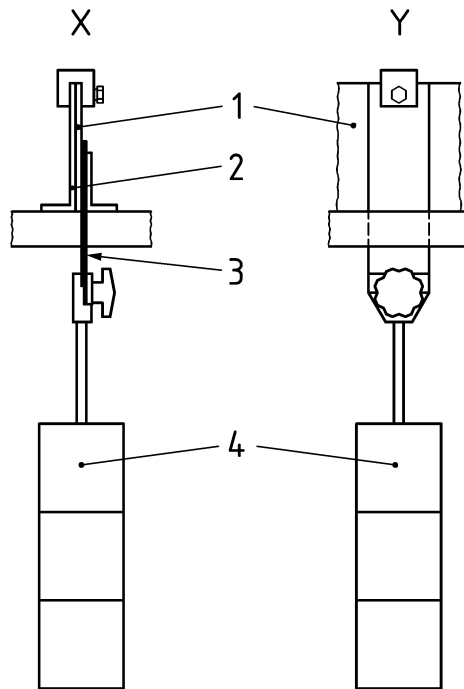
Figure 1 — Shape of notches of notched trowel

5.2 Roller, of width (60 ± 5) mm, diameter (90 ± 5) mm and total mass $(3,50 \pm 0,05)$ kg with handle at 90° to the axis (as an example, see Figure 2).

**Figure 2 — Roller**

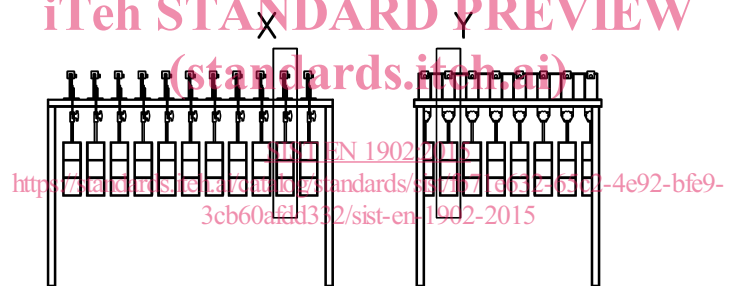
5.3 Arrangement, in which five panels with a test piece of floor or wall covering adhered to each, can be mounted vertically (as an example see Figure 3).

5.4 Clamping device, to be attached to each of the test pieces to enable a load, in the form of weights, to be applied. The clamping device with weight holder shall have a mass of $(2,00 \pm 0,01)$ kg and be designed in such a way that additional 2,0 kg weights are able to be added vertically (see Figure 3, for an example of a test arrangement and Figure 4 for an example of a clamp in combination with a weight holder).



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Key

- 1 fibre cement panel
- 2 bracket
- 3 test piece
- 4 weight

Figure 3 — Test arrangement

Dimensions in millimetres

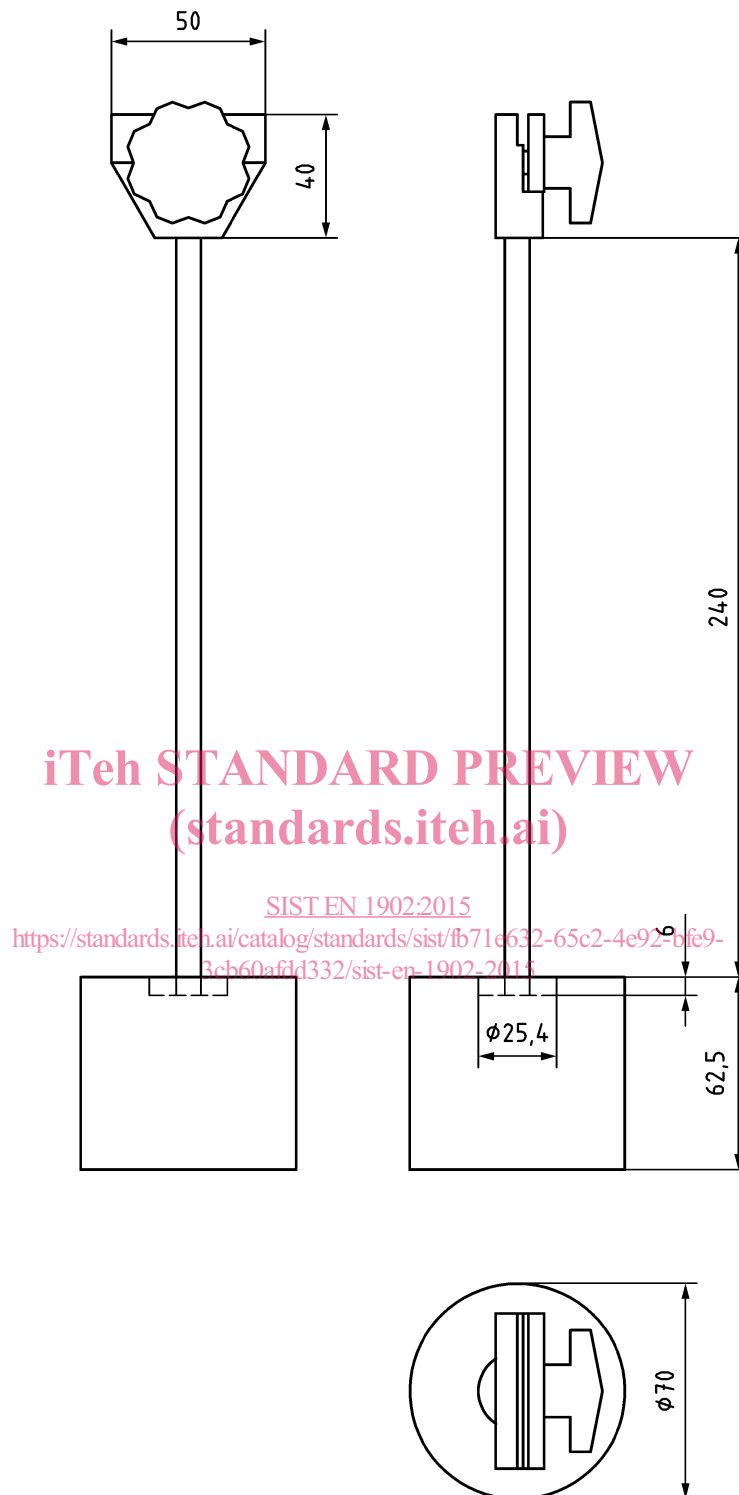


Figure 4 — Clamp in combination with a weight holder, mass $(2,00 \pm 0,01)$ kg

- 5.5 Device for automatic monitoring, recommended when adhesive joint failure occurs.
- 5.6 Primer, if applicable.