SLOVENSKI STANDARD
SIST EN 1902:2000

01-december-2000

Lepila - Preskusne metode 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 - Méthode d'essai des adhésifs pour revetements muraux et de sol - Essai de fluage sous contrainte de cisaillement

Ta slovenski standard je istoveten z: **EN 1902:1999**

ICS:

83.180	Lepila	Adhesives

SIST EN 1902:2000 **en**

EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

EN 1902

September 1999

ICS 83.180

English version

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

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

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This European Standard was approved by CEN on 9 August 1999.

CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration. Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the Central Secretariat or to any CEN member.

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 Central Secretariat has the same status as the official versions.

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

Central Secretariat: rue de Stassart, 36 B-1050 Brussels

Contents

Foreword

This European Standard 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of an identical text or by endorsement, at the latest by March 2000, and conflicting national standards shall be withdrawn at the latest by March 2000.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and the United Kingdom.

This method solely is not considered valid to determine the suitability of a particular adhesive with a floor or wall covering.

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.

2 Normative references

This European Standard incorporates by dated or undated reference, provisions from other publications. These normative references are cited at the appropriate places in the text and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of any of these publications apply to this European Standard only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies.

EN 923	Adhesives - Terms and definitions.
EN 1066	Adhesives - Sampling.
EN 1067	Adhesives - Examination and preparation of samples for testing.
EN 1373	Adhesives - Test methods for adhesives for floor and wall coverings - Shear test.
EN ISO 10365	Adhesives - Designation of main failure patterns (ISO 10365:1992)
ISO 554	Standard atmospheres for conditioning and/or testing - Specifications.

3 Definitions

For the purposes of this standard, the definitions given in EN 923 and EN 1373 apply.

4 Principle

This test method gives a measure of the suitability of a floor or wall covering/adhesive combination exposed to a static shear force by monitoring the time until failure of the test pieces bonded to a specific substrate.

5 Safety

Persons using this standard shall be familiar with normal laboratory practice.

This standard does not purport to address all the safety problems, if any, associated with its use.

It is the responsibility of the user to establish health and safety practices and to ensure compliance with any European and national regulatory conditions.

6 Apparatus and material

6.1 Adhesive applicator: comprising a notched trowel with dimensions specified by the adhesive manufacturer (as an example see figure 1).

Dimensions in millimetres

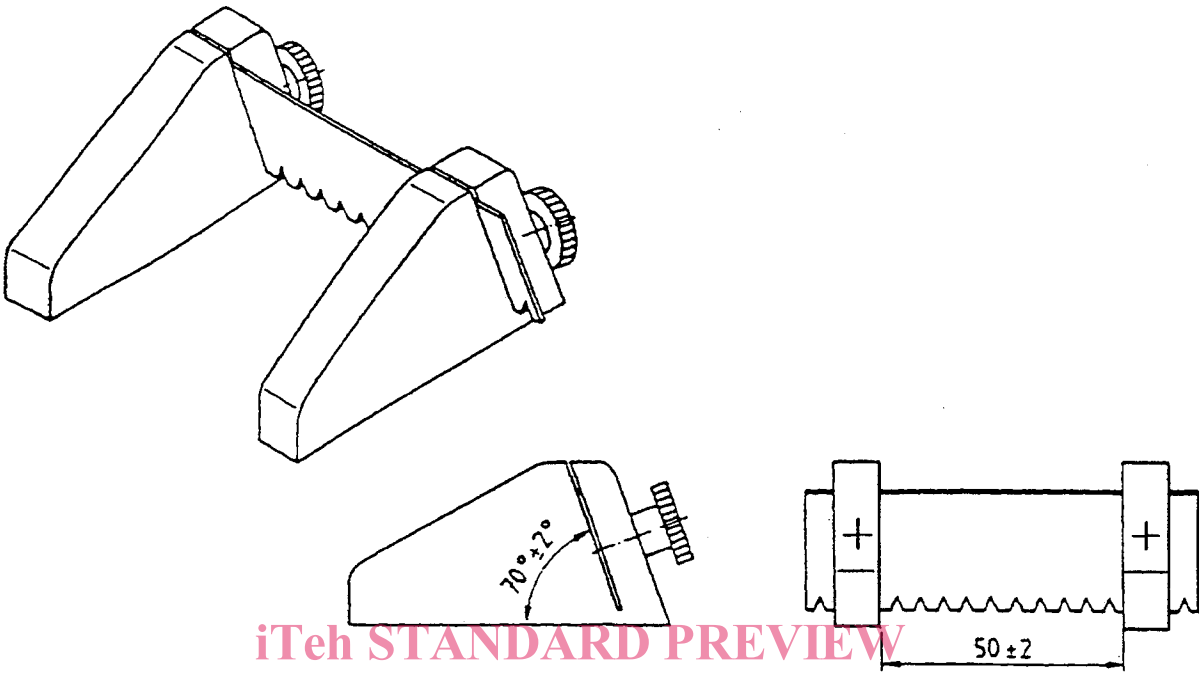


Figure 1: Adhesive applicator

6.2 Roller, of width (60 ± 1) mm, diameter (92 ± 1) mm and total mass (3,5 ± 0,01) kg and with a handle at 90° to the axis (as an example see figure 2).

Dimensions in millimetres

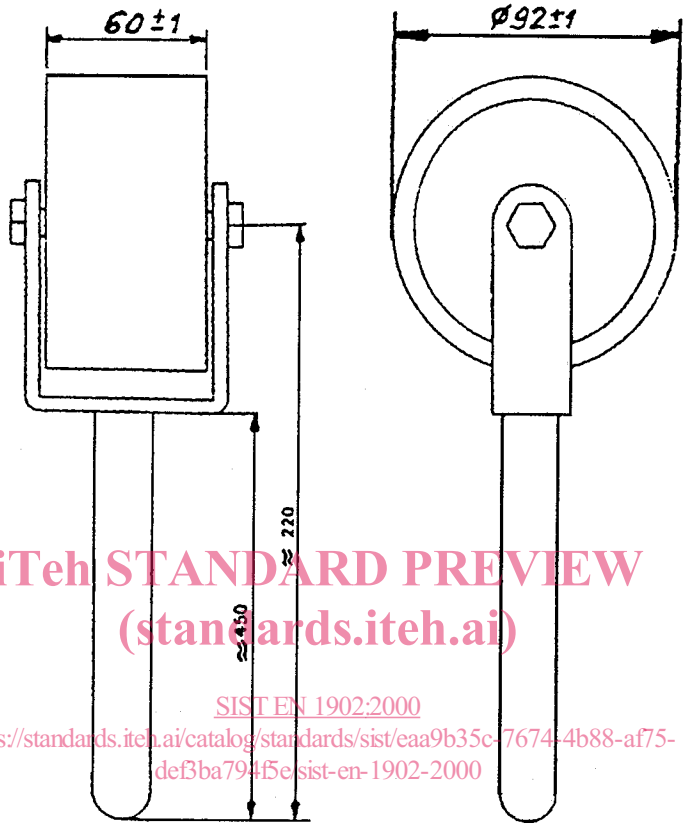
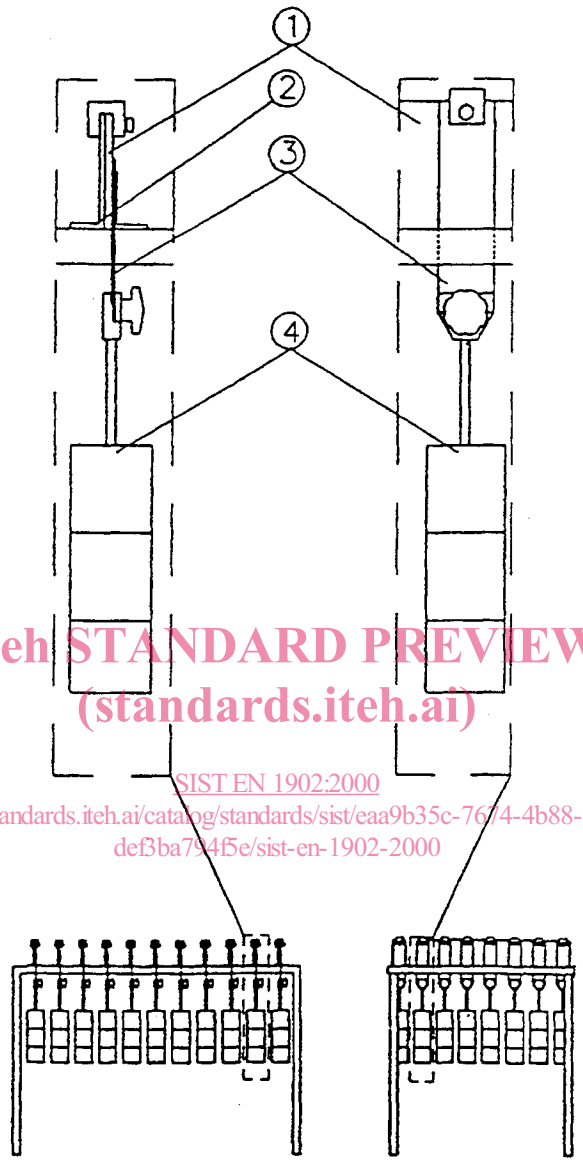


Figure 2: Roller

6.3 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).

6.4 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 ± 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).



1 fibre cement panel
2 Bracket
3 Test piece
4 Weight

Figure 3: Test arrangement