
Lepila - Preskusne metode za lepila za talne in stenske obloge iz polimernih ali gumenih materialov - Ugotavljanje sprememb mer po pospešenem staranju

Adhesives - Test method for adhesives for plastic or rubber floor coverings or wall coverings - Determination of dimensional changes after accelerated ageing

Klebstoffe - Prüfverfahren für Klebstoffe für Boden- und Wandbeläge aus Kunststoff und Gummi - Bestimmung der Maßänderungen nach beschleunigter Alterung

Adhésifs - Méthode d'essai des adhésifs pour revêtements muraux et de sol en plastique ou en caoutchouc - Détermination des variations dimensionnelles au terme d'un essai de vieillissement accéléré

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Ta slovenski standard je istoveten z: EN 1903:1999

ICS:

83.180 Lepila Adhesives

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EUROPEAN STANDARD
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EN 1903

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English version

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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.

CEN members are the national standards bodies of Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.



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

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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.

1 Scope

This European Standard specifies a test method that measures the dimensional changes of a plastic or rubber floor or wall covering bonded to a given substrate after accelerated ageing. The term "wall covering" does not include any type of wallpaper.

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 29142:1993 | Adhesives - Guide to the selection of standard laboratory ageing conditions for testing bonded joints (ISO 9142:1990). |
| ISO 554 | Standard atmospheres for conditioning and/or testing - Specifications. |

3 Definitions

For the purposes of this standard, the following definition together with those given in EN 923, apply.

3.1 adhesives for plastic or rubber floor and wall coverings: Adhesives intended to produce firm and durable bonds between floor or wall coverings and various substrates.

4 Principle

This test method gives a measure of the suitability of a plastic or rubber floor or wall covering/adhesive combination by monitoring dimensional changes during defined conditioning sequences when bonded to a specific substrate.

5 Safety

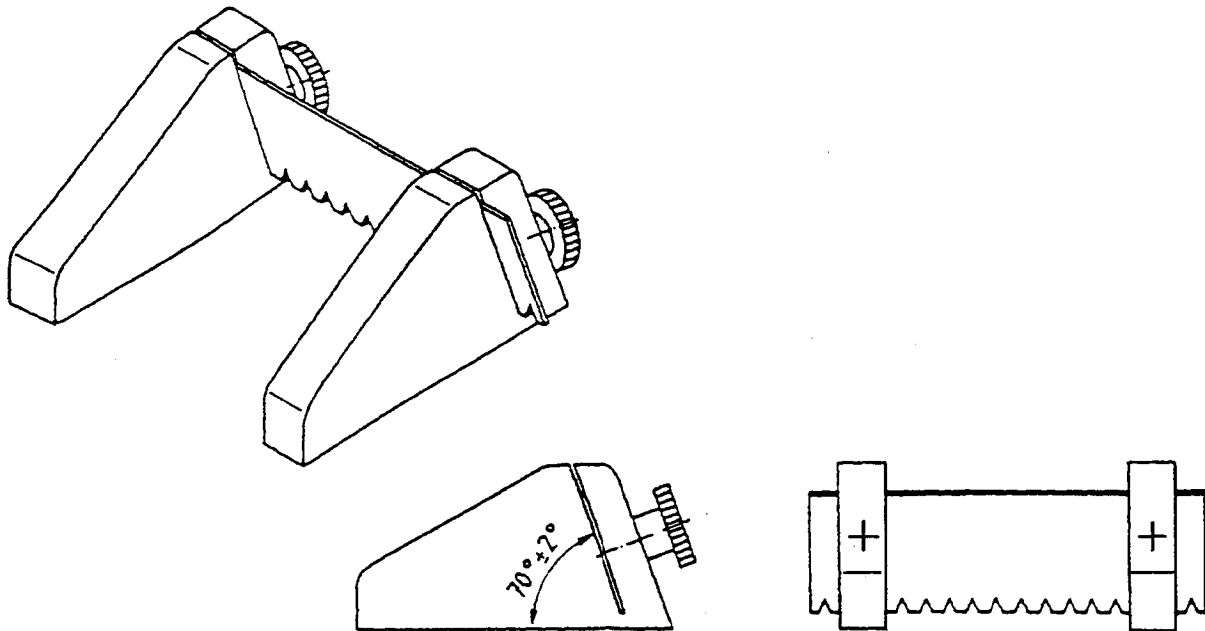
Persons using this standard shall be familiar with normal laboratory practice.

This standard does not purport to address all 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 materials

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



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Figure 1: Adhesive applicator

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

Dimensions in millimetres

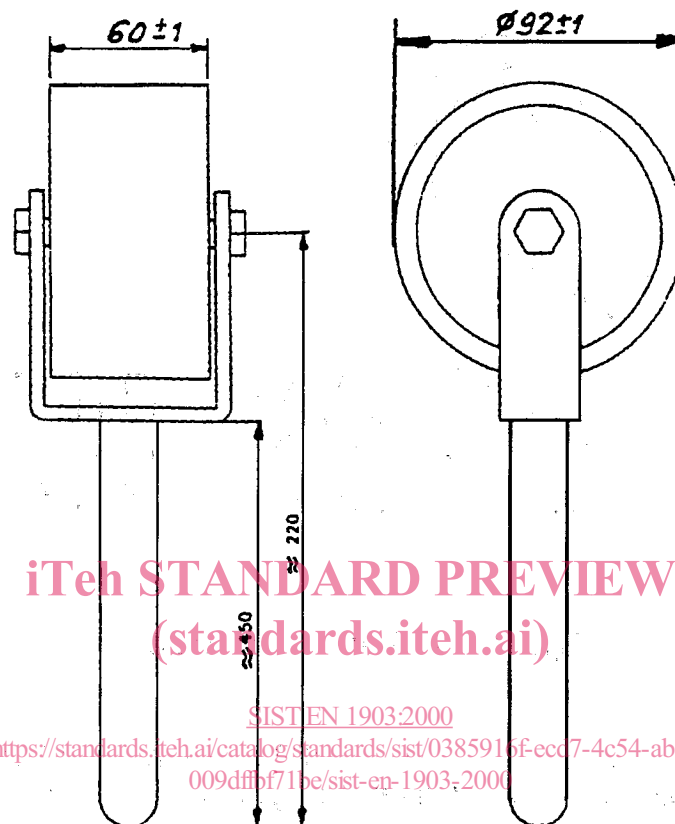


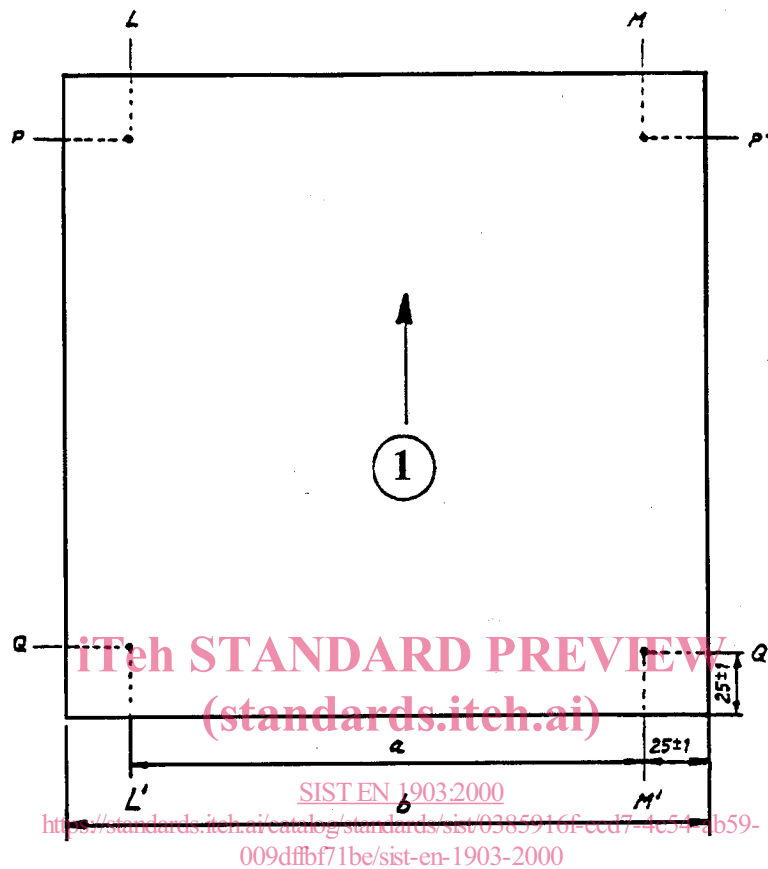
Figure 2: Roller

6.3 Heating oven, with air circulation as in 5.2 of EN 29142:1993.

6.4 Floor or wall covering for testing, three test pieces for each combination with adhesive dimensions of (250 ± 5) mm x (250 ± 5) mm or (300 ± 5) mm x (300 ± 5) mm.

6.5 Substrate, one uncoated fibre cement panel, fully compressed and autoclaved, asbestos-free of thickness $(7,5 \pm 0,5)$ mm for each test piece. Dimensions shall not be greater than 50 mm longer than the distance between the datum points, i. e. each datum point shall not be greater than (25 ± 1) mm from the outer edge (as shown in figure 3).

Dimensions in millimetres



- 1 grain direction
- a Measurements between studs
- b Edge to edge measurements

Figure 3: Measurements

Where edge to edge measurements are being carried out, recommended dimensions are approximately 300 mm x 300 mm.

6.6 Suitable measuring devices, capable of measuring to an accuracy of 0,01 mm over a length of either 200 mm or 250 mm, e. g. an elongation meter.

6.7 Adhesive, for fixing gauge studs to the covering surface if required by the measuring method.