SLOVENSKI STANDARD
SIST EN 13872:2004

01-oktober-2004

Metode za preskuġanje talnih izravnalnih in/ali livelirnih mas za hidravliļ no nanaġanje ï Ugotavljanje krļ enja

Methods of test for hydraulic setting floor smoothing and/or levelling compounds - Determination of dimensional change

Prüfverfahren für hydraulisch erhärtende Boden-Spachtelmassen - Bestimmung der Maßänderung

Méthode d'essai pour les mortiers de lissage et/ou d'égalisation a prise hydraulique - Détermination des variations des dimensions

Ta slovenski standard je istoveten z: **EN 13872:2004**

ICS:

91.100.99	Drugi gradbeni materiali	Other construction materials

SIST EN 13872:2004 **en,fr,de**

EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

EN 13872

February 2004

ICS 91.100.99

English version

Method of test for smoothing and/or levelling compounds - Determination of shrinkage

Méthode d'essai pour les mortiers de lissage et/ou d'égalisation - Détermination du retrait

Prüfverfahren für Boden-Spachtelmassen - Bestimmung der Schrumpfung

This European Standard was approved by CEN on 10 December 2003.

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, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Slovakia, Slovenia, Spain, Sweden, Switzerland and United Kingdom.

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

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Contents

Foreword

This document (EN 13872:2004) 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 August 2004, and conflicting national standards shall be withdrawn at the latest by August 2004.

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

1 Scope

This European Standard specifies the measurement of dimensional change of a hydraulic setting smoothing and/or levelling compound which is referred to in the following as "smoothing and/or levelling compound".

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 (including amendments).

EN 196-1, *Methods of testing cement - Part 1: Determination of strength.*

EN 1937:1999, *Test method for hydraulic setting floor smoothing and/or levelling compounds - Standard mixing procedures*

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

3 Terms and definitions

For the purposes of this European Standard, the terms and definitions given in EN 1937:1999 and the following apply.

3.1
dimensional change
difference in length of a test specimen of a smoothing and/or levelling compound after specified time and conditions.

3.2
shrinkage
negative dimensional change.

3.3
expansion
positive dimensional change.

4 Principle

This test method is carried out to assess the shrinkage and expansion properties of smoothing and levelling compounds by measuring the dimensional changes in length of test specimens 10 mm x 40 mm x 160 mm at predetermined storage times and conditions.

5 Safety

The users of this standard shall be familiar with the normal laboratory practice.

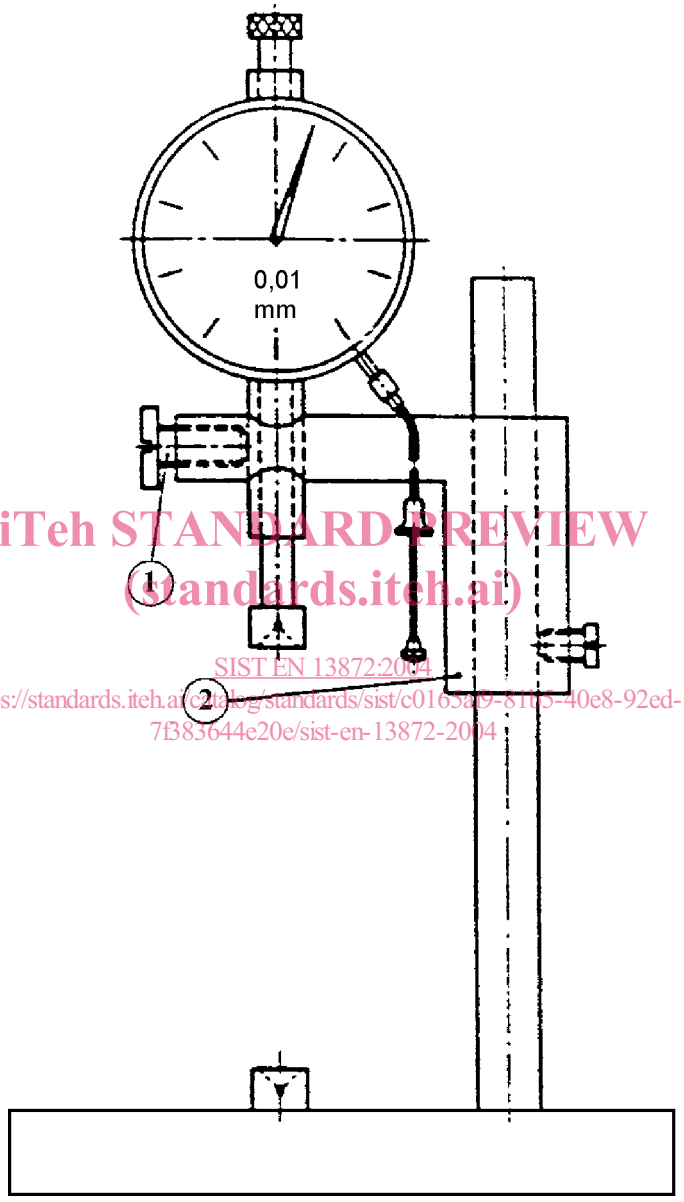
This standard does not purport to address all safety problems, if any, associated with its use.

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

6 Apparatus and material

6.1 Measuring apparatus for the determination of dimensional change, capable of measuring the test specimen with an accuracy of ± 0,005 mm.

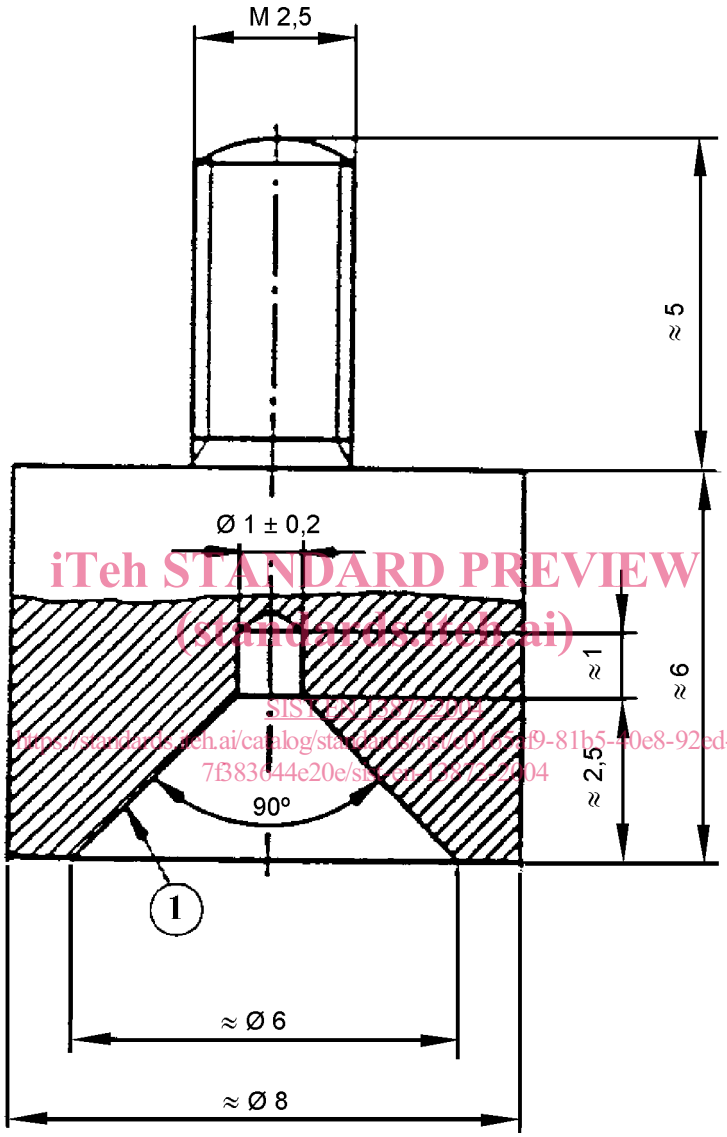
An example of a measuring device is shown in Figure 1 with a suitable cup and peg shown in Figure 2 and Figures 5 to 8 respectively. An alternative device is shown in Figure 3.



Key
1 locking device
2 holder

Figure 1 —Example of measuring apparatus for a test specimen in the vertical position

Dimensions in millimetres

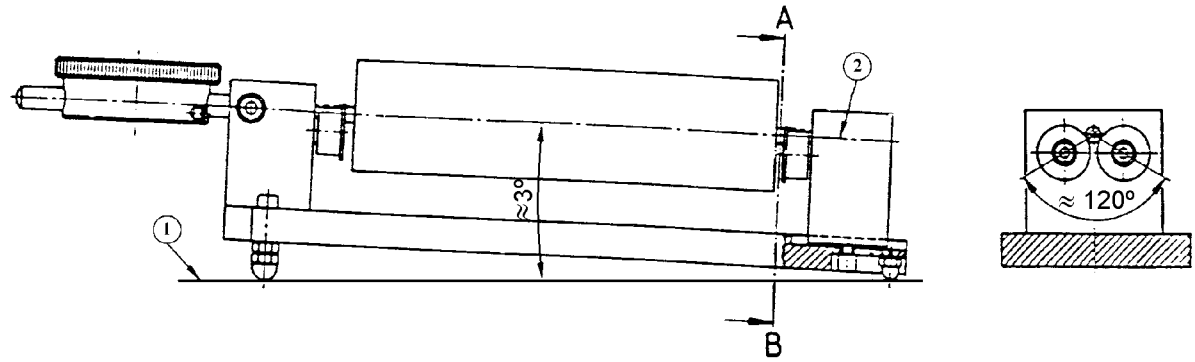


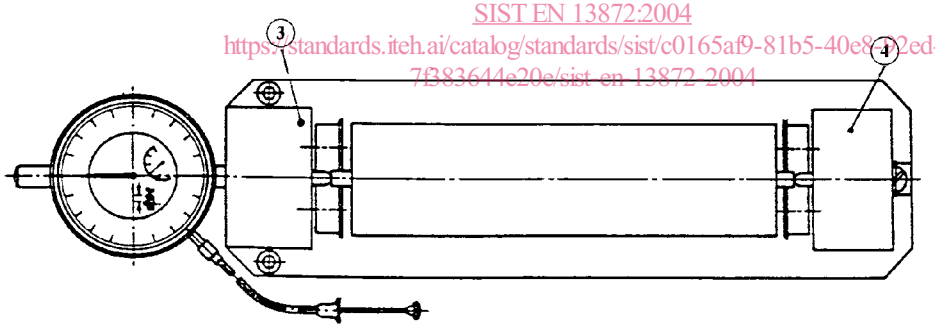
Key
1 hardened and polished

Figure 2 —Example of lower measurement cup for measuring apparatus shown in Figure 1

Dimensions in millimetres

Section A-B





Adjustment range 164 to 170

Key

1 horizontal line

2 measurement axis

3 bearing block 1

4 bearing block 2

Figure 3 — Example of measuring apparatus for a test specimen in the horizontal position

6.2 Moulds provided with internal dimensions (10 ± 0,5) mm width, (40 ± 0,5) mm depth and (160 ± 1,0) mm length to enable three test specimens to be prepared simultaneously;

either