Kahlid. Osa 6: Glasuurimata plaatide süvahõõrdkulumiskindluse määramine (ISO 10545-6:2010)

Ceramic tiles - Part 6: Determination of resistance to glaze deep abrasion for unglazed tiles (ISO 10545-6:2010)



EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

	This Estonian standard EVS-EN ISO 10545-6:2012
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EUROPEAN STANDARD NORME EUROPÉENNE

EUROPÄISCHE NORM

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English Version

Ceramic tiles - Part 6: Determination of resistance to deep abrasion for unglazed tiles (ISO 10545-6:2010)

Carreaux et dalles céramiques - Partie 6: Détermination de la résistance à l'abrasion profonde pour les carreaux non émaillés (ISO 10545-6:2010)

Keramische Fliesen und Platten - Teil 6: Bestimmung des Widerstands gegen Tiefenverschleiß für unglasierte Fliesen und Platten (ISO 10545-6:2010)

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

Management Centre: Avenue Marnix 17, B-1000 Brussels

Foreword

The text of ISO 10545-6:2010 has been prepared by Technical Committee ISO/TC 189 "Ceramic tile" of the International Organization for Standardization (ISO) and has been taken over as EN ISO 10545-6:2012 by Technical Committee CEN/TC 67 "Ceramic tiles" the secretariat of which is held by UNI.

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of an identical text or by endorsement, at the latest by August 2012, and conflicting national standards shall be withdrawn at the latest by August 2012.

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Endorsement notice

The text of ISO 10545-6:2010 has been approved by CEN as a EN ISO 10545-6:2012 without any modification.

Ceramic tiles —

Part 6:

Determination of resistance to deep abrasion for unglazed tiles

1 Scope

This part of ISO 10545 specifies a test method for determining the resistance to deep abrasion of all unglazed ceramic tiles used for floor coverings.

2 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO 630, Structural steels — Plates, wide flats, bars, sections and profiles

ISO 8486-1, Bonded abrasives — Determination and designation of grain size distribution — Part 1: Macrogrits F4 to F220

3 Principle

Determination of the abrasion resistance of unglazed tiles by measuring the length of the groove produced in the proper surface by means of a rotating steel disc, under given conditions and with the use of abrasive material.

4 Apparatus

4.1 Abrasion apparatus, consisting essentially of a rotating disc, a storage hopper with a dispensing device for the abrasive material, a test specimen support and a counterweight (see Figure 1).

The disc shall be made of E 235 A (Fe 360 A) conforming to ISO 630, with a diameter of (200 ± 0.2) mm and a thickness at the edge of (10 ± 0.1) mm, and with a revolution rate of 75 r/min.

The pressure with which the test specimens are held against the steel disc shall be determined by calibrating the apparatus against transparent fused silica. The pressure shall be adjusted such that, after 150 revolutions using F80 abrasive, which shall be in accordance with ISO 8486-1, a chord of (24 ± 0.5) mm shall be produced. Transparent fused silica shall be used as a primary standard. A secondary standard of float glass or other products may be used.

When the diameter has worn by 0,5 % of the initial diameter, the steel disc shall be replaced.

4.2 Measuring gauge, accurate to 0,1 mm.