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Liquid-applied water impermeable products for use beneath ceramic tiling bonded with adhesives - Requirements, test methods, evaluation of conformity, classification and designation

EESTI STANDARDI EESSÕNA

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English Version

**Liquid-applied water impermeable products for use beneath
ceramic tiling bonded with adhesives - Requirements, test
methods, evaluation of conformity, classification and designation**

Produits d'imperméabilisation appliqués en phase liquide
utilisés sous carrelage collé - Spécifications, méthodes
d'essai, évaluation de la conformité, classification et
désignation

Flüssig zu verarbeitende wasserundurchlässige Produkte
im Verbund mit keramischen Fliesen und Plattenbelägen -
Anforderungen, Prüfverfahren, Konformitätsbewertung,
Klassifizierung und Bezeichnung

This European Standard was approved by CEN on 9 March 2012.

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Foreword

This document (EN 14891:2012) has been prepared by Technical Committee CEN/TC 67 "Ceramic tiles", the secretariat of which is held by UNI.

This document shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by October 2012 and conflicting national standards shall be withdrawn at the latest by October 2012.

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 14891:2007.

The significant technical changes between this European Standard and the previous edition are listed herewith:

- new Annex ZA (informative);
- modified clauses, subclauses (Foreword, 1, 4.1, 5.1, 5.3.3, 5.4.1, 6, 7 f), A.6.7, A.6.8, A.7) and tables (Tables 2 and 3).

This document has been prepared under a mandate given to CEN by the European Commission and the European Free Trade Association, and supports essential requirements of EU Directive(s).

For relationship with EU Directive(s), see informative Annex ZA, which is an integral part of this document.

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, 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.

1 Scope

This European Standard applies to all liquid-applied water impermeable products, based on polymer modified cementitious mortars, dispersions and reaction resin coatings, used beneath ceramic tiling, for external tile installations on walls and floors and in swimming pools.

This European Standard gives the terminology concerning the products and specifies the test methods and the values of performance requirements for liquid-applied water impermeable products associated with tile adhesives.

This European Standard specifies the evaluation of conformity and the classification and designation of liquid-applied water impermeable products beneath ceramic tiling.

This European Standard does not contain recommendations for the design and installation of ceramic tiles and grouts in combination with water impermeable products.

NOTE 1 Liquid-applied water impermeable products may also be used beneath other types of tiles (natural and agglomerated stones, etc.), where they do not adversely affect these materials.

NOTE 2 The user of this European Standard should be familiar with normal laboratory practice. This European Standard does not purport to address all the safety problems associated with its use. It is the responsibility of the user to establish appropriate health and safety practices and to ensure compliance with any European and national regulatory conditions.

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 196-1:2005, *Methods of testing cement — Part 1: Determination of strength*

EN 197-1:2011, *Cement — Part 1: Composition, specifications and conformity criteria for common cements*

EN 480-1:2006+A1:2011, *Admixtures for concrete, mortar and grout — Test methods — Part 1: Reference concrete and reference mortar for testing*

EN 1008, *Mixing water for concrete — Specification for sampling, testing and assessing the suitability of water, including water recovered from processes in the concrete industry, as mixing water for concrete*

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

EN 1323, *Adhesives for tiles — Concrete slabs for tests*

EN 12004, *Adhesives for tiles — Requirements, evaluation of conformity, classification and designation*

EN 12390-2, *Testing hardened concrete — Part 2: Making and curing specimens for strength tests*

EN 12620:2002+A1:2008, *Aggregates for concrete*

EN 14411:2006, *Ceramic tiles — Definitions, classification, characteristics and marking*

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