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Standards

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I.S. EN 16301:2013

Natural stone test methods - Determination of sensitivity to accidental staining

I.S. EN 16301:2013

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English Version

Natural stone test methods - Determination of sensitivity to accidental staining

Méthodes d'essai pour les pierres naturelles -
Détermination de la sensibilité au tachage accidentel

Prüfverfahren für Naturstein - Bestimmung der
Empfindlichkeit gegen unbeabsichtigte Fleckenbildung

This European Standard was approved by CEN on 12 January 2013.

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Foreword

This document (EN 16301:2013) has been prepared by Technical Committee CEN/TC 246 “Natural stones”, 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of an identical text or by endorsement, at the latest by September 2013, and conflicting national standards shall be withdrawn at the latest by September 2013.

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.

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1 Scope

The European Standard specifies a method to assess the sensitivity of natural stones when exposed to accidental staining. It defines a procedure for the application of the stains, the cleaning and the assessment of the surface appearance after cleaning. It also covers the possibility to assess the efficiency of a surface treatment. Note that the method does not intend to present any de-staining technique.

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 ISO 11664-2, *Colorimetry – Part 2: CIE standard illuminants (ISO 11664-2)*

EN ISO 11998, *Paints and varnishes – Determination of wet-scrub resistance and cleanability of coatings (ISO 11998)*

ISO 1065, *Non-ionic surface-active agents obtained from ethylene oxide and mixed non-ionic surface-active agents – Determination of cloud point*

3 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

3.1

surface finishing

final surface texture applied to a stone during processing

3.2

matt finished surface

surface treatment to produce a very flat, uniform, but no polished finish

Note 1 to entry: Matt finished surface can be obtained by means of a silicium carbide bonded polishing disk with grain size F 400 mesh.

3.3

surface treatment

application of certain materials (i.e chemicals) to the exposed face of a slab

[SOURCE: EN 12670:2001, 2.4.29]

3.4

impregnation

protection of the surface of a stone by a pore-sealing product or a chemical coating

3.5

staining agent

liquid used to produce stains on the surface of the stone

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