

Natural stone test methods - Determination of sensitivity to accidental staining

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NATIONAL FOREWORD

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Standard on jõustunud sellekohase teate avaldamisega EVS Teatajas.	This standard has been endorsed with a notification published in the official bulletin of the Estonian Centre for Standardisation and Accreditation.
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ICS 73.020, 91.100.15

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EUROPEAN STANDARD

EN 16301

NORME EUROPÉENNE

EUROPÄISCHE NORM

March 2021

ICS 73.020; 91.100.15

Supersedes EN 16301:2013

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 15 February 2021.

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 CEN-CENELEC Management Centre 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 CEN-CENELEC Management Centre has the same status as the official versions.

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

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European foreword

This document (EN 16301:2021) 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of an identical text or by endorsement, at the latest by September 2021, and conflicting national standards shall be withdrawn at the latest by September 2021.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN shall not be held responsible for identifying any or all such patent rights.

This document supersedes EN 16301:2013.

The significant changes between this document and the previous edition are listed herewith:

- updating of subclause 5.3.

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1 Scope

This document 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 as well as the cleaning and the assessment of the surface appearance after cleaning. It also covers the possibility to assess the efficiency of a chemical treatment.

Note that the method does not intend to present any de-staining technique.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements 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.

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.

ISO and IEC maintain terminological databases for use in standardization at the following addresses:

- IEC Electropedia: available at <http://www.electropedia.org/>
- ISO Online browsing platform: available at <https://www.iso.org/obp>

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 not 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 chemical treatment

application of chemical materials to the exposed face of a slab

3.3.1 surface coating

chemical treatment whereby coating remains on the surface

3.3.2 impregnation

protection of the surface of a stone by a pore-sealing product