

**Paints and varnishes - Determination of
wet-scrub resistance and cleanability of
coatings**

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resistance and cleanability of coatings

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

Käesolev Eesti standard EVS-EN ISO 11998:2002 sisaldab Euroopa standardi EN ISO 11998:2001 ingliskeelset teksti.

Käesolev dokument on jõustatud 14.02.2002 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes.

Standard on kättesaadav Eesti standardiorganisatsioonist.

This Estonian standard EVS-EN ISO 11998:2002 consists of the English text of the European standard EN ISO 11998:2001.

This document is endorsed on 14.02.2002 with the notification being published in the official publication of the Estonian national standardisation organisation.

The standard is available from Estonian standardisation organisation.

Käsitlusala:

The ability of coatings to withstand wear caused by repeated cleaning operations and to resist permanent blemish by stains is an important consideration both from a practical point of view and when comparing and rating such coatings. This International Standard specifies an accelerated method for the determination of wet-scrub resistance. With regard to the cleanability of coatings, only the method itself and not the soiling agents are specified.

Scope:

The ability of coatings to withstand wear caused by repeated cleaning operations and to resist permanent blemish by stains is an important consideration both from a practical point of view and when comparing and rating such coatings. This International Standard specifies an accelerated method for the determination of wet-scrub resistance. With regard to the cleanability of coatings, only the method itself and not the soiling agents are specified.

ICS 87.040

Võtmesõnad: cleaning, coatings, determination, paints, scrubbing, test equipment, tests, varnishes, washing, wear resistance

ICS 87.040

English version

Paints and varnishes

**Determination of wet-scrub resistance and
cleanability of coatings**

(ISO 11998 : 1998)

Peintures et vernis – Détermination de
la résistance au frottement humide et
de l'aptitude au nettoyage des
revêtements (ISO 11998 : 1998)

Beschichtungsstoffe – Bestimmung
der Nassabriebbeständigkeit und der
Reinigungsfähigkeit von Beschichtun-
gen (ISO 11998 : 1998)

This European Standard was approved by CEN on 2001-06-29.

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 Management Centre or to any CEN member.

The European Standards exist 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 Management Centre has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, the Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, the Netherlands, Norway, Portugal, Spain, Sweden, Switzerland, and the United Kingdom.

CEN

European Committee for Standardization
Comité Européen de Normalisation
Europäisches Komitee für Normung

Management Centre: rue de Stassart 36, B-1050 Brussels

Foreword

International Standard

ISO 11998 : 1998 Paints and varnishes – Determination of wet-scrub resistance and cleanability of coatings, which was prepared by ISO/TC 35 'Paints and varnishes' of the International Organization for Standardization, has been adopted by Technical Committee CEN/TC 139 'Paints and varnishes', the Secretariat of which is held by DIN, as a European Standard.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, and conflicting national standards withdrawn, by February 2002 at the latest.

In accordance with the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard:

Austria, Belgium, the Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, the Netherlands, Norway, Portugal, Spain, Sweden, Switzerland, and the United Kingdom.

Endorsement notice

The text of the International Standard ISO 11998 : 1998 was approved by CEN as a European Standard without any modification.

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1 Scope

The ability of coatings to withstand wear caused by repeated cleaning operations and to resist permanent blemishing by stains is an important consideration both from a practical point of view and when comparing and rating such coatings. This International Standard specifies an accelerated method for the determination of wet-scrub resistance. With regard to the cleanability of coatings, only the method itself and not the soiling agents are specified.

NOTE — Since these properties depend not only on the quality of a coating but also on the substrate, the method of application, the drying conditions and other factors, the results obtained are not directly transferable to actual practice. In this standard the evaluation of the coating is based on a defined substrate, a fixed application method, specified drying conditions and a defined method of wet scrubbing.

2 Normative references

The following standards contain provisions which, through reference in this text, constitute provisions of this International Standard. At the time of publication, the editions indicated were valid. All standards are subject to revision, and parties to agreements based on this International Standard are encouraged to investigate the possibility of applying the most recent editions of the standards indicated below. Members of IEC and ISO maintain registers of currently valid International Standards.

ISO 1512:1991, *Paints and varnishes — Sampling of products in liquid and paste form.*

ISO 1513:1992, *Paints and varnishes — Examination and preparation of samples for testing.*

ISO 2808:1997, *Paints and varnishes — Determination of film thickness.*

ISO 3270:1984, *Paints and varnishes and their raw materials — Temperatures and humidities for conditioning and testing.*

ISO 3696:1987, *Water for analytical laboratory use — Specification and test methods.*

3 Definitions

For the purposes of this International Standard, the following definitions apply.

3.1 cleanability: The ability of a dry coating film to withstand penetration by soiling agents and to be freed from them through the cleaning process without removing more than a defined film thickness.

3.2 scrub cycle: One reciprocal movement of the scrub pad over the full stroke length in both directions.