

Paints and varnishes - Evaluation of degradation of coatings - Designation of quantity and size of defects, and of intensity of uniform changes in appearance - Part 8: Assessment of degree of delamination and corrosion around a scribe

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EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

Käesolev Eesti standard EVS-EN ISO 4628-8:2005 sisaldab Euroopa standardi EN ISO 4628-8:2005 ingliskeelset teksti.

Käesolev dokument on jõustatud 28.04.2005 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes.

Standard on kättesaadav Eesti standardiorganisatsioonist.

This Estonian standard EVS-EN ISO 4628-8:2005 consists of the English text of the European standard EN ISO 4628-8:2005.

This document is endorsed on 28.04.2005 with the notification being published in the official publication of the Estonian national standardisation organisation.

The standard is available from Estonian standardisation organisation.

Käsitlusala:

This part of ISO 4628 specifies a method for assessing delamination and corrosion, caused by a corrosive environment, around a scribe in a coating on a test panel or other test specimen.

Scope:

This part of ISO 4628 specifies a method for assessing delamination and corrosion, caused by a corrosive environment, around a scribe in a coating on a test panel or other test specimen.

ICS 87.040

Võtmesõnad:

English version

Paints and varnishes – Evaluation of degradation of coatings

Designation of quantity and size of defects,
and of intensity of uniform changes in appearance

Part 8: Assessment of degree of delamination and corrosion around a scribe
(ISO 4628-8:2005)

Peintures et vernis – Evaluation de la
dégradation des revêtements – Dési-
gnation de la quantité et de la dimen-
sion des défauts, et de l'intensité
des changements uniformes d'as-
pect – Partie 8: Evaluation du degré
de décollement et de corrosion autour
d'une rayure (ISO 4628-8:2005)

Beschichtungsstoffe – Beurteilung von
Beschichtungsschäden – Bewertung
der Menge und der Größe von Schä-
den und der Intensität von gleich-
mäßigen Veränderungen im Ausse-
hen – Teil 8: Bewertung der von einem
Ritz ausgehenden Enthaftung und
Korrosion (ISO 4628-8:2005)

This European Standard was approved by CEN on 2005-02-14.

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, Cyprus, the Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, the Netherlands, Norway, Poland, Portugal, Slovakia, Slovenia, Spain, Sweden, Switzerland, and the United Kingdom.

CEN

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

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

Foreword

International Standard

ISO 4628-8:2005 Paints and varnishes – Evaluation of degradation of coatings – Designation of quantity and size of defects, and of intensity of uniform changes in appearance – Part 8: Assessment of degree of delamination and corrosion around a scribe,

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 September 2005 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, Cyprus, the Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, the Netherlands, Norway, Poland, Portugal, Slovakia, Slovenia, Spain, Sweden, Switzerland, and the United Kingdom.

Endorsement notice

The text of the International Standard ISO 4628-8:2005 was approved by CEN as a European Standard without any modification.

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Introduction

After exposure of a coated and scribed test panel in a corrosive environment, the following phenomena can occur around the scribe:

- delamination;
- corrosion.

A combination of both phenomena can also occur.

It is recommended that delamination and corrosion around the scribe be evaluated separately to obtain more detailed information about the coating system.

In addition to the procedure described in this part of ISO 4628, assessments of delamination and corrosion around the scribe can be carried out using optical image processing.

Rating of other defects is described in other parts of ISO 4628.

1 Scope

This part of ISO 4628 specifies a method for assessing delamination and corrosion, caused by a corrosive environment, around a scribe in a coating on a test panel or other test specimen.

NOTE An example of a corrosive environment is salt spray (fog) as used in the method of exposure described in ISO 7253 or ISO 9227 (see the Bibliography).

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 3270, *Paints and varnishes and their raw materials — Temperatures and humidities for conditioning and testing*

ISO 21227-1, *Paints and varnishes — Evaluation of defects on coated surfaces using optical imaging — Part 1: General guidance*

ISO 21227-3, *Paints and varnishes — Evaluation of defects on coated surfaces using optical imaging — Part 3: Assessment of delamination and corrosion around a scribe*

3 Terms and definitions

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

3.1

corrosion

area of visible corrosion products

3.2

delamination

loss of adhesion of a coating