



SLOVENSKI STANDARD SIST EN ISO 2810:2005

01-april-2005

Barve in laki - Naravno staranje premazov - Izpostavitve in ocenjevanje (ISO 2810:2004)

Paints and varnishes - Natural weathering of coatings - Exposure and assessment (ISO 2810:2004)

Beschichtungsstoffe - Freibewitterung von Beschichtungen - Bewitterung und Bewertung (ISO 2810:2004)

iTeh STANDARD PREVIEW
(standards.iteh.ai)

Peintures et vernis - Vieillissement naturel des revêtements - Exposition et évaluation (ISO 2810:2004)

[SIST EN ISO 2810:2005](https://standards.iteh.ai/catalog/standards/sist/9263bf7717-4ed5-bdb9-4b6ca986a2cb/sist-en-iso-2810-2005)

[https://standards.iteh.ai/catalog/standards/sist/9263bf7717-4ed5-bdb9-](https://standards.iteh.ai/catalog/standards/sist/9263bf7717-4ed5-bdb9-4b6ca986a2cb/sist-en-iso-2810-2005)

[4b6ca986a2cb/sist-en-iso-2810-2005](https://standards.iteh.ai/catalog/standards/sist/9263bf7717-4ed5-bdb9-4b6ca986a2cb/sist-en-iso-2810-2005)

Ta slovenski standard je istoveten z: EN ISO 2810:2004

ICS:

87.040

Barve in laki

Paints and varnishes

SIST EN ISO 2810:2005

en

iTeh STANDARD PREVIEW
(standards.iteh.ai)

[SIST EN ISO 2810:2005](#)

<https://standards.iteh.ai/catalog/standards/sist/9263fbf-7717-4ed5-bdb9-4b6ca986a2cb/sist-en-iso-2810-2005>

EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN ISO 2810

July 2004

ICS 87.040

English version

Paints and varnishes - Natural weathering of coatings -
Exposure and assessment (ISO 2810:2004)

Peintures et vernis - Vieillessement naturel des revêtements
- Exposition et évaluation (ISO 2810:2004)

This European Standard was approved by CEN on 7 June 2004.

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 Central Secretariat 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 Central Secretariat has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Slovakia, Slovenia, Spain, Sweden, Switzerland and United Kingdom.

[SIST EN ISO 2810:2005](https://standards.iteh.ai/catalog/standards/sist/9263bf7717-4ed5-bdb9-4b6ca986a2cb/sist-en-iso-2810-2005)

<https://standards.iteh.ai/catalog/standards/sist/9263bf7717-4ed5-bdb9-4b6ca986a2cb/sist-en-iso-2810-2005>



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

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

EN ISO 2810:2004 (E)**Foreword**

This document (EN ISO 2810:2004) has been prepared by Technical Committee ISO/TC 35 "Paints and varnishes" in collaboration with Technical Committee CEN/TC 139 "Paints and varnishes", the secretariat of which is held by DIN.

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 January 2005, and conflicting national standards shall be withdrawn at the latest by January 2005.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Slovakia, Slovenia, Spain, Sweden, Switzerland and United Kingdom.

Endorsement notice

The text of ISO 2810:2004 has been approved by CEN as EN ISO 2810:2004 without any modifications.

iTeh STANDARD PREVIEW
(standards.iteh.ai)

[SIST EN ISO 2810:2005](https://standards.iteh.ai/catalog/standards/sist/9263fbf-7717-4ed5-bdb9-4b6ca986a2cb/sist-en-iso-2810-2005)

<https://standards.iteh.ai/catalog/standards/sist/9263fbf-7717-4ed5-bdb9-4b6ca986a2cb/sist-en-iso-2810-2005>

INTERNATIONAL STANDARD

ISO
2810

Second edition
2004-07-01

Paints and varnishes — Natural weathering of coatings — Exposure and assessment

*Peintures et vernis — Vieillissement naturel des revêtements —
Exposition et évaluation*

iTeh STANDARD PREVIEW
(standards.iteh.ai)

[SIST EN ISO 2810:2005](https://standards.iteh.ai/catalog/standards/sist/9263bf7717-4ed5-bdb9-4b6ca986a2cb/sist-en-iso-2810-2005)

<https://standards.iteh.ai/catalog/standards/sist/9263bf7717-4ed5-bdb9-4b6ca986a2cb/sist-en-iso-2810-2005>



Reference number
ISO 2810:2004(E)

© ISO 2004

ISO 2810:2004(E)**PDF disclaimer**

This PDF file may contain embedded typefaces. In accordance with Adobe's licensing policy, this file may be printed or viewed but shall not be edited unless the typefaces which are embedded are licensed to and installed on the computer performing the editing. In downloading this file, parties accept therein the responsibility of not infringing Adobe's licensing policy. The ISO Central Secretariat accepts no liability in this area.

Adobe is a trademark of Adobe Systems Incorporated.

Details of the software products used to create this PDF file can be found in the General Info relative to the file; the PDF-creation parameters were optimized for printing. Every care has been taken to ensure that the file is suitable for use by ISO member bodies. In the unlikely event that a problem relating to it is found, please inform the Central Secretariat at the address given below.

iTeh STANDARD PREVIEW (standards.iteh.ai)

[SIST EN ISO 2810:2005](https://standards.iteh.ai/catalog/standards/sist/9263bf7717-4ed5-bdb9-4b6ca986a2cb/sist-en-iso-2810-2005)

<https://standards.iteh.ai/catalog/standards/sist/9263bf7717-4ed5-bdb9-4b6ca986a2cb/sist-en-iso-2810-2005>

© ISO 2004

All rights reserved. Unless otherwise specified, no part of this publication may be reproduced or utilized in any form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from either ISO at the address below or ISO's member body in the country of the requester.

ISO copyright office
Case postale 56 • CH-1211 Geneva 20
Tel. + 41 22 749 01 11
Fax + 41 22 749 09 47
E-mail copyright@iso.org
Web www.iso.org

Published in Switzerland

Contents

	Page
1 Scope	1
2 Normative references	1
3 Terms and definitions	2
4 General	2
5 Exposure racks	3
6 Apparatus for measurement of climatic factors	4
7 Test specimens	5
8 Procedure	6
9 Supplementary test conditions	6
10 Evaluation of properties	7
11 Precision	7
12 Test report	7
Annex A (normative) Environment and climate	8
Annex B (informative) Classification of climates	10
Bibliography	11

(standards.iteh.ai)

SIST EN ISO 2810:2005

<https://standards.iteh.ai/catalog/standards/sist/9263bf7717-4ed5-bdb9-4b6ca986a2cb/sist-en-iso-2810-2005>

ISO 2810:2004(E)**Foreword**

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 2.

The main task of technical committees is to prepare International Standards. Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

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

ISO 2810 was prepared by Technical Committee ISO/TC 35, *Paints and varnishes*, Subcommittee SC 9, *General test methods for paints and varnishes*.

This second edition cancels and replaces the first edition (ISO 2810:1974), which has been technically revised.

iTeh STANDARD PREVIEW
(standards.iteh.ai)

[SIST EN ISO 2810:2005](https://standards.iteh.ai/catalog/standards/sist/9263bf7717-4ed5-bdb9-4b6ca986a2cb/sist-en-iso-2810-2005)

<https://standards.iteh.ai/catalog/standards/sist/9263bf7717-4ed5-bdb9-4b6ca986a2cb/sist-en-iso-2810-2005>

Paints and varnishes — Natural weathering of coatings — Exposure and assessment

1 Scope

This International Standard specifies the conditions which need to be taken into consideration in the selection of the type of natural weathering and the natural weathering procedure to be used to determine the resistance of coatings or coating systems (direct weathering or weathering behind window glass).

Natural weathering is used to determine the resistance of coatings or coating systems (denoted in the following text simply by coatings) to the sun's radiation and the atmosphere.

Special atmospheric influences, e.g. industrial pollution, are not taken into account in this International Standard.

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 1514, *Paints and varnishes — Standard panels for testing*

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

ISO 2813, *Paints and varnishes — Determination of specular gloss of non-metallic paint films at 20°, 60° and 85°*

ISO 3668, *Paints and varnishes — Visual comparison of the colour of paints*

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

ISO 4628-1, *Paints and varnishes — Evaluation of degradation of coatings — Designation of quantity and size of defects, and of intensity of uniform changes in appearance — Part 1: General introduction and designation system*

ISO 4628-2, *Paints and varnishes — Evaluation of degradation of coatings — Designation of quantity and size of defects, and of intensity of uniform changes in appearance — Part 2: Assessment of degree of blistering*

ISO 4628-3, *Paints and varnishes — Evaluation of degradation of coatings — Designation of quantity and size of defects, and of intensity of uniform changes in appearance — Part 3: Assessment of degree of rusting*

ISO 4628-4, *Paints and varnishes — Evaluation of degradation of coatings — Designation of quantity and size of defects, and of intensity of uniform changes in appearance — Part 4: Assessment of degree of cracking*

ISO 4628-5, *Paints and varnishes — Evaluation of degradation of coatings — Designation of quantity and size of defects, and of intensity of uniform changes in appearance — Part 5: Assessment of degree of flaking*

ISO 4628-6, *Paints and varnishes — Evaluation of degradation of paint coatings — Designation of intensity, quantity and size of common types of defect — Part 6: Rating of degree of chalking by tape method*