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Paints and varnishes - Natural weathering of coatings - Exposure and assessment (ISO 2810:2020)

Táto norma obsahuje anglickú verziu európskej normy.
This standard includes the English version of the European Standard.

Táto norma bola oznámená vo Vestníku ÚNMS SR č. 01/21

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**Paints and varnishes - Natural weathering of coatings -
Exposure and assessment (ISO 2810:2020)**Peintures et vernis - Vieillessement naturel des
revêtements - Exposition et évaluation (ISO
2810:2020)Beschichtungsstoffe - Freibewitterung von
Beschichtungen - Bewitterung und Bewertung (ISO
2810:2020)

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EUROPÄISCHES KOMITEE FÜR NORMUNG**CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels**

EN ISO 2810:2020 (E)

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European foreword

This document (EN ISO 2810:2020) 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of an identical text or by endorsement, at the latest by March 2021, and conflicting national standards shall be withdrawn at the latest by March 2021.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.

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Endorsement notice

The text of ISO 2810:2020 has been approved by CEN as EN ISO 2810:2020 without any modification.

INTERNATIONAL STANDARD

ISO 2810

Third edition
2020-09

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

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



Reference number
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ISO 2810:2020(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.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular, the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

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For an explanation of the voluntary nature of standards, the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT) see www.iso.org/iso/foreword.html.

This document was prepared by Technical Committee ISO/TC 35, *Paints and varnishes*, Subcommittee SC 9, *General test methods for paints and varnishes*, in collaboration with the European Committee for Standardization (CEN) Technical Committee CEN/TC 139, *Paints and varnishes*, in accordance with the Agreement on technical cooperation between ISO and CEN (Vienna Agreement).

This third edition cancels and replaces the second edition (ISO 2810:2004), which has been technically revised. The main changes compared to the previous edition are as follows:

- in [Clause 4](#), the list in b) has been amended by radiant exposure and temperature;
- the time of wetness has been deleted from the list of additional observations on climate in [A.2](#) and replaced by a note with the reference to ASTM Practice G84;
- the climate classification in [Annex B](#) has been updated to ISO 877-1:2009;
- the text has been editorially revised and the normative references have been updated.

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at www.iso.org/members.html.

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

1 Scope

This document specifies the conditions to take into consideration when selecting the type of natural weathering and the natural weathering procedure 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 this document by coatings) to the sun's radiation and the atmosphere.

This document does not take into account special atmospheric influences, e.g. industrial pollution.

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.

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

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

ISO 4618, *Paints and varnishes — Terms and definitions*

WMO Publication No, 8, *Guide to meteorological instruments and methods of observation*, World Meteorological Organization, Geneva, 2012

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