



SLOVENSKI STANDARD
oSIST prEN ISO 15110:2026

01-oktober-2026

Barve in laki - Umetno vremensko staranje, vključno s kislimi padavinami (ISO/DIS 15110:2026)

Paints and varnishes - Artificial weathering including acidic deposition (ISO/DIS 15110:2026)

Beschichtungsstoffe - Künstliches Bewittern mit saurer Beanspruchung (ISO/DIS 15110:2026)

Peintures et vernis - Vieillissement artificiel comportant un dépôt acide (ISO/DIS 15110:2026)

Ta slovenski standard je istoveten z: prEN ISO 15110

ICS:

87.040

Barve in laki

Paints and varnishes

oSIST prEN ISO 15110:2026

en,fr,de

Sample Document

get full document from standards.iteh.ai



DRAFT International Standard

ISO/DIS 15110

Paints and varnishes — Artificial weathering including acidic deposition

*Peintures et vernis — Vieillissement artificiel comportant un
dépôt acide*

ICS: 87.040

ISO/TC 35/SC 9

Secretariat: **BSI**

Voting begins on:
2026-09-09

Voting terminates on:
2026-12-02

Sample Document

get full document from standards.iteh.ai

This document has not been edited by the ISO Central Secretariat.

ISO/CEN PARALLEL PROCESSING

Reference number
ISO/DIS 15110:2026(en)

THIS DOCUMENT IS A DRAFT CIRCULATED FOR COMMENTS AND APPROVAL. IT IS THEREFORE SUBJECT TO CHANGE AND MAY NOT BE REFERRED TO AS AN INTERNATIONAL STANDARD UNTIL PUBLISHED AS SUCH.

IN ADDITION TO THEIR EVALUATION AS BEING ACCEPTABLE FOR INDUSTRIAL, TECHNOLOGICAL, COMMERCIAL AND USER PURPOSES, DRAFT INTERNATIONAL STANDARDS MAY ON OCCASION HAVE TO BE CONSIDERED IN THE LIGHT OF THEIR POTENTIAL TO BECOME STANDARDS TO WHICH REFERENCE MAY BE MADE IN NATIONAL REGULATIONS.

RECIPIENTS OF THIS DRAFT ARE INVITED TO SUBMIT, WITH THEIR COMMENTS, NOTIFICATION OF ANY RELEVANT PATENT RIGHTS OF WHICH THEY ARE AWARE AND TO PROVIDE SUPPORTING DOCUMENTATION.

© ISO 2026

Sample Document

get full document from standards.iteh.ai



COPYRIGHT PROTECTED DOCUMENT

© ISO 2026

All rights reserved. Unless otherwise specified, or required in the context of its implementation, no part of this publication may be reproduced or utilized otherwise in any form or by any means, electronic or mechanical, including photocopying, or posting on the internet or an intranet, without prior written permission. Permission can be requested from either ISO at the address below or ISO's member body in the country of the requester.

ISO copyright office
CP 401 • Ch. de Blandonnet 8
CH-1214 Vernier, Geneva
Phone: +41 22 749 01 11
Email: copyright@iso.org
Website: www.iso.org

Published in Switzerland

ISO/DIS 15110:2026(en)

Contents

Page

Foreword	iv
Introduction	v
1 Scope	1
2 Normative references	1
3 Terms and definitions	1
4 Principle	1
5 Apparatus	2
5.1 General	2
5.2 Laboratory radiation sources	2
5.3 Test chamber	2
5.4 Wetting system	2
5.5 Specimen holders	3
5.6 Black standard or black panel thermometer	3
5.7 Humidity sensor	3
5.8 Acid spray device	3
5.9 Radiometer	3
6 Solutions for artificial acidic deposition	3
7 Test specimens	4
7.1 General	4
7.2 Specimen size	4
7.3 Corrosion of the substrates	4
7.4 Reference specimens	4
8 Designation of test type	4
9 Procedure	5
9.1 General	5
9.2 Wetting and relative humidity	5
9.3 Acid spraying	5
9.4 Weathering cycles	5
9.5 Test duration	7
9.6 Further weathering of specimens	8
10 Assessment of results	8
11 Precision	8
11.1 General	8
11.2 Repeatability	8
12 Test report	9
Annex A (informative) Background information	11
Bibliography	14

ISO/DIS 15110:2026(en)

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.

ISO draws attention to the possibility that the implementation of this document may involve the use of (a) patent(s). ISO takes no position concerning the evidence, validity or applicability of any claimed patent rights in respect thereof. As of the date of publication of this document, ISO had not received notice of (a) patent(s) which may be required to implement this document. However, implementers are cautioned that this may not represent the latest information, which may be obtained from the patent database available at www.iso.org/patents. ISO shall not be held responsible for identifying any or all such patent rights.

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. Details of any patent rights identified during the development of the document will be in the Introduction and/or on the ISO list of patent declarations received (see www.iso.org/patents).

Any trade name used in this document is information given for the convenience of users and does not constitute an endorsement.

For an explanation on 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 the following URL: 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 15110:2017), which has been technically revised. The main changes compared to the previous edition are as follows:

- exposure conditions have been added for both xenon and fluorescent UV devices that are more suitable to capabilities of commercially-available instruments;
- alternative acid solutions have been added for consistency with other standards and to prevent damage to test instruments.

ISO/DIS 15110:2026(en)**Introduction**

This document specifies a method of simulating the damaging effect of outdoor weathering with relevance to acidic atmospheric precipitation on painted products. The mechanisms differ from those of harmful gases, which essentially constitute the initial products of acidic precipitation.

Arising from changing industrial air pollution and additionally diffused by the stochastic wind and cloud distribution, acidic precipitation occurs sporadically. Thus, especially regarding acidic precipitation, outdoor weathering effects vary enormously within different years. Therefore, it is practically impossible to obtain reliable outdoor exposure results from just one season. These fluctuations can be avoided through the use of a laboratory test where all weathering parameters, including the acidic deposition, can be controlled.

The method is based on VDI Guideline VDI 3958-12 [\[1\]](#).

Sample Document

get full document from standards.iteh.ai