
**Protikorozijska zaščita jeklenih konstrukcij z zaščitnimi premaznimi sistemi -
Ocenjevanje adhezije/kohezije (lomne trdnosti) premazov in kriteriji sprejemljivosti
- 2. del: Preskušanje po prečnem prerezu in X-prerezu (ISO/DIS 16276-2:2024)**

Corrosion protection of steel structures by protective paint systems - Assessment of, and acceptance criteria for, the adhesion/cohesion (fracture strength) of a coating - Part 2: Cross-cut testing and X-cut testing (ISO/DIS 16276-2:2024)

Korrosionsschutz von Stahlbauten durch Beschichtungssysteme - Beurteilung der Adhäsion/Kohäsion (Haftfestigkeit) einer Beschichtung und Kriterien für deren Annahme - Teil 2: Gitterschnitt- und Kreuzschnittprüfung (ISO/DIS 16276-2:2024)

Protection contre la corrosion des structures en acier par systèmes de peinture - Évaluation et critères d'acceptation de l'adhésion/cohésion (résistance à la rupture) d'un revêtement - Partie 2: Essai de quadrillage et essai à la croix de Saint André (ISO/DIS 16276-2:2024)

Ta slovenski standard je istoveten z: prEN ISO 16276-2

ICS:

25.220.20	Površinska obdelava	Surface treatment
87.040	Barve in laki	Paints and varnishes
91.080.13	Jeklene konstrukcije	Steel structures

oSIST prEN ISO 16276-2:2024 en,fr,de



DRAFT International Standard

ISO/DIS 16276-2

Corrosion protection of steel structures by protective paint systems — Assessment of, and acceptance criteria for, the adhesion/cohesion (fracture strength) of a coating —

Part 2: Cross-cut testing and X-cut testing

Anticorrosion des structures en acier par systèmes de peintures — Évaluation et critères d'acceptation de l'adhésion/cohésion (résistance à la rupture) d'un revêtement —

Partie 2: Essai de quadrillage et essai à la croix de Saint André

ICS: 87.020

This document is circulated as received from the committee secretariat.

ISO/CEN PARALLEL PROCESSING

Reference number
ISO/DIS 16276-2:2024(en)

ISO/TC 35/SC 14

Secretariat: DIN

Voting begins on:
2024-05-15

Voting terminates on:
2024-08-07

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 2024

ISO/DIS 16276-2:2024(en)

iTeh Standards (<https://standards.iteh.ai>) Document Preview

[oSIST prEN ISO 16276-2:2024](https://standards.iteh.ai/catalog/standards/sist/70863c93-b4e3-414d-ba44-3f0f4c8443ab/osist-pren-iso-16276-2-2024)

<https://standards.iteh.ai/catalog/standards/sist/70863c93-b4e3-414d-ba44-3f0f4c8443ab/osist-pren-iso-16276-2-2024>



COPYRIGHT PROTECTED DOCUMENT

© ISO 2024

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 16276-2:2024(en)

Contents

Page

Foreword	iv
Introduction	v
1 Scope	1
2 Normative references	1
3 Terms and definitions	1
4 Principle	2
4.1 General.....	2
4.2 Principle of cross-cut method.....	2
4.3 Principle of X-cut method.....	3
5 Apparatus and materials	3
5.1 Cross-cut test.....	3
5.2 X-cut test.....	3
6 Procedure	3
6.1 General.....	3
6.2 Field tests on coated structures.....	3
6.3 Test panels for use on site.....	4
6.4 Cross-cut test.....	4
6.5 X-cut test.....	4
6.6 Testing.....	5
6.6.1 General.....	5
6.6.2 Sampling plan.....	5
6.6.3 Inspection areas.....	5
6.6.4 Minimum number of measurements.....	5
6.7 Interpretation of results.....	5
7 Expression of results	5
8 Acceptance criteria	6
9 Test report	6
Annex A (normative) Classification of results of X-cut test	7
Bibliography	8

ISO/DIS 16276-2:2024(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.

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).

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 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 European Committee for Standardization (CEN) Technical Committee CEN/TC 139, *Paints and varnishes*, in collaboration with Technical Committee ISO/TC 35, *Paints and varnishes*, Subcommittee SC 14, *Protective paint systems for steel structures*.

This second edition cancels and replaces the first edition (ISO 16276-2:2007), which has been technically revised.

The main changes are as follows:

— xxx xxxxxxxx xxx xxxx

A list of all parts in the ISO 16276 series can be found on the ISO website.

ISO 16276 consists of the following parts, under the general title *Corrosion protection of steel structures by protective paint systems — Assessment of, and acceptance criteria for, the adhesion/cohesion (fracture strength) of a coating*:

— *Part 1: Pull-off testing*

— *Part 2: Cross-cut testing and X-cut testing*

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.