
Antikorozijska zaščita jeklenih konstrukcij z zaščitnimi premaznimi sistemi - Ugotavljanje adhezije/kohezije (lomne trdnosti) prevlek in prevzemni pogoji - 2. del: Preskušanje po prečnem in X-prerezu (ISO 16276-2:2007)

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 16276-2:2007)

Korrosionsschutz von Stahlbauten durch Beschichtungssysteme - Beurteilung der Adhäsion/Kohäsion (Haftfestigkeit) einer Beschichtung und Kriterien für deren Annahme - Teil 2: Gitterschnitt- und Kreuzschnittprüfung (ISO 16276-2:2007)

Anticorrosion des structures en acier par systemes de peintures - Évaluation et criteres d'acceptation de l'adhésion/cohésion (résistance a la rupture) d'un revetement - Partie 2: Essai de quadrillage et essai a la croix de Saint André (ISO 16276-2:2007)

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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 16276-2:2007)

Anticorrosion 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 16276-2:2007)

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COMITÉ EUROPÉEN DE NORMALISATION
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Management Centre: rue de Stassart, 36 B-1050 Brussels

EN ISO 16276-2:2007 (E)**Foreword**

This document (EN ISO 16276-2:2007) has been prepared by Technical Committee CEN/TC 139 "Paints and varnishes", the secretariat of which is held by DIN, in collaboration with Technical Committee ISO/TC 35 "Paints and varnishes".

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of an identical text or by endorsement, at the latest by November 2007, and conflicting national standards shall be withdrawn at the latest by November 2007.

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**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**(standards.iteh.ai)***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 —*<https://standards.iteh.ai/catalog/standards/sist/65a79e5e-ed6b-4ab5-85f8-99dd1e111111/iso-16276-2-2007>*Partie 2: Essai de quadrillage et essai à la croix de Saint André*Reference number
ISO 16276-2:2007(E)

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Case postale 56 • CH-1211 Geneva 20
Tel. + 41 22 749 01 11
Fax + 41 22 749 09 47
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ISO 16276-2:2007(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.

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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 16276-2 was prepared by the 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*.

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*:

- SIST EN ISO 16276-2:2009
- *Part 1: Pull-off testing* <https://standards.iteh.ai/catalog/standards/sist/65a79e5e-ed6b-4ab5-85f8-99dd64c2d392/sist-en-iso-16276-2-2009>
 - *Part 2: Cross-cut testing and X-cut testing*

Introduction

The main purpose of this part of ISO 16276 is to supplement the ISO 12944 series with regard to the field assessment of, and acceptance criteria for, the adhesion/cohesion of a coating.

NOTE This part of ISO 16276 is intended for assessment of cross-cut testing and X-cut testing of paint coatings on steel structures on site. ISO 2409 specifies a cross-cut test and ASTM D 3359 an X-cut test for general purposes, without instructions for interpretation of the results and without acceptance or rejection criteria.

Fracture strength testing is normally destructive and therefore requires repair work, the extent of which will depend on the specification and on the durability required of the protective paint coating.

An objective of this part of ISO 16276 is to minimize variability and achieve uniformity of practice in the assessment of the fracture strength of a protective paint coating and to establish acceptance/rejection criteria for such coatings. The method uses test equipment based on the cross-cut and X-cut principles.

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