



SLOVENSKI STANDARD
SIST EN ISO 16925:2014

01-april-2014

**Barve in laki - Ugotavljanje odpornosti premazov proti curkom vode pod tlakom
(ISO 16925:2014)**

Paints and varnishes - Determination of the resistance of coatings to pressure water-jetting (ISO 16925:2014)

Beschichtungsstoffe - Prüfung der Beständigkeit von Beschichtungen gegen Druckwasserstrahl (ISO 16925:2014)

Peintures et vernis - Détermination de la résistance des revêtements à un jet d'eau sous pression (ISO 16925:2014)

STANDARD PREVIEW
(standards.iteh.ai)
<https://standards.iteh.ai/catalog/standards/sist/b545e0c-184e-48d4-acf0-69cf247d852e/sist-en-iso-16925-2014>

Ta slovenski standard je istoveten z: EN ISO 16925:2014

ICS:

87.040

Barve in laki

Paints and varnishes

SIST EN ISO 16925:2014

en,fr,de

iTeh STANDARD PREVIEW
(standards.iteh.ai)

[SIST EN ISO 16925:2014](#)

<https://standards.iteh.ai/catalog/standards/sist/b54f5e0c-184e-48d4-acf0-69cf247d852e/sist-en-iso-16925-2014>

EUROPEAN STANDARD

EN ISO 16925

NORME EUROPÉENNE

EUROPÄISCHE NORM

February 2014

ICS 87.040

English Version

Paints and varnishes - Determination of the resistance of coatings to pressure water-jetting (ISO 16925:2014)

Peintures et vernis - Détermination de la résistance des revêtements à un jet d'eau sous pression (ISO 16925:2014)

Beschichtungsstoffe - Prüfung der Beständigkeit von Beschichtungen gegen Druckwasserstrahl (ISO 16925:2014)

This European Standard was approved by CEN on 20 December 2013.

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 CEN-CENELEC Management Centre 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 CEN-CENELEC Management Centre has the same status as the official versions.

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

<https://standards.iteh.ai/catalog/standards/sist/b54f5e0c-184e-48d4-acf0-69cf247d852e/sist-en-iso-16925-2014>



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

CEN-CENELEC Management Centre: Avenue Marnix 17, B-1000 Brussels

Contents	Page
Foreword.....	3

iTeh STANDARD PREVIEW
(standards.iteh.ai)

[SIST EN ISO 16925:2014](https://standards.iteh.ai/catalog/standards/sist/b54f5e0c-184e-48d4-acf0-69cf247d852e/sist-en-iso-16925-2014)
<https://standards.iteh.ai/catalog/standards/sist/b54f5e0c-184e-48d4-acf0-69cf247d852e/sist-en-iso-16925-2014>

Foreword

This document (EN ISO 16925:2014) 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 August 2014, and conflicting national standards shall be withdrawn at the latest by August 2014.

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

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

Endorsement notice

The text of ISO 16925:2014 has been approved by CEN as EN ISO 16925:2014 without any modification.

iTeh STANDARD PREVIEW
(standards.iteh.ai)

[SIST EN ISO 16925:2014](https://standards.iteh.ai/catalog/standards/sist/b54f5e0c-184e-48d4-acf0-69cf247d852e/sist-en-iso-16925-2014)

<https://standards.iteh.ai/catalog/standards/sist/b54f5e0c-184e-48d4-acf0-69cf247d852e/sist-en-iso-16925-2014>

iTeh STANDARD PREVIEW
(standards.iteh.ai)

[SIST EN ISO 16925:2014](#)

<https://standards.iteh.ai/catalog/standards/sist/b54f5e0c-184e-48d4-acf0-69cf247d852e/sist-en-iso-16925-2014>

INTERNATIONAL
STANDARD

ISO
16925

First edition
2014-02-01

**Paints and varnishes — Determination
of the resistance of coatings to
pressure water-jetting**

*Peintures et vernis — Détermination de la résistance des revêtements
à un jet d'eau sous pression*

iTeh STANDARD PREVIEW
(standards.iteh.ai)

[SIST EN ISO 16925:2014](https://standards.iteh.ai/catalog/standards/sist/b54f5e0c-184e-48d4-acf0-69cf247d852e/sist-en-iso-16925-2014)

<https://standards.iteh.ai/catalog/standards/sist/b54f5e0c-184e-48d4-acf0-69cf247d852e/sist-en-iso-16925-2014>



Reference number
ISO 16925:2014(E)

© ISO 2014

iTeh STANDARD PREVIEW
(standards.iteh.ai)

SIST EN ISO 16925:2014

<https://standards.iteh.ai/catalog/standards/sist/b54f5e0c-184e-48d4-acf0-69cf247d852e/sist-en-iso-16925-2014>



COPYRIGHT PROTECTED DOCUMENT

© ISO 2014

All rights reserved. Unless otherwise specified, 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
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
Foreword	iv
1 Scope	1
2 Normative references	1
3 Terms and definitions	1
4 Principle	2
5 Apparatus and materials	2
6 Sampling	3
7 Preparation of test specimens	4
7.1 Test specimens.....	4
7.2 Preparation and coating.....	4
7.3 Thickness of coating.....	4
8 Procedure	4
8.1 Introducing the cut or the scribe.....	4
8.2 Testing.....	5
9 Evaluation	6
9.1 General.....	6
9.2 Evaluation with pictures to compare.....	6
10 Precision	6
10.1 General.....	6
10.2 Repeatability limit (<i>r</i>).....	7
10.3 Reproducibility limit (<i>R</i>).....	7
11 Designation	7
12 Test report	7
Annex A (normative) Calibration of the test apparatus	14
Bibliography	17

ISO 16925:2014(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. 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. 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 meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the WTO principles in the Technical Barriers to Trade (TBT) see the following URL: Foreword - Supplementary information

The committee responsible for this document is ISO/TC 35, *Paints and varnishes*, Subcommittee SC 9, *General test methods for paints and varnishes*.

[SIST EN ISO 16925:2014](https://standards.iteh.ai/catalog/standards/sist/b54f5e0c-184e-48d4-acf0-69cf247d852e/sist-en-iso-16925-2014)

<https://standards.iteh.ai/catalog/standards/sist/b54f5e0c-184e-48d4-acf0-69cf247d852e/sist-en-iso-16925-2014>

Paints and varnishes — Determination of the resistance of coatings to pressure water-jetting

1 Scope

This International Standard specifies a test method for the assessment of the resistance of coatings to pressure water-jetting. The test method simulates the effects pressure water-jetting has on a coating.

2 Normative references

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO 1513, *Paints and varnishes — Examination and preparation of test samples*

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

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

ISO 15528, *Paints, varnishes and raw materials for paints and varnishes — Sampling*

ISO 17872, *Paints and varnishes — Guidelines for the introduction of scribe marks through coatings on metallic panels for corrosion testing*

SIST EN ISO 16925:2014

3 Terms and definitions

<https://standards.iteh.ai/catalog/standards/sist/b54f5e0c-184e-48d4-acf0-69cf247d852e/sist-en-iso-16925-2014>

For the purposes of this document, the terms and definitions given in ISO 4618 and the following apply.

3.1

fracture strength

force required to exceed the attachment forces

- between coats or between coat and substrate (adhesion) and/or
- within a coat (cohesion)

[SOURCE: ISO 16276-1:2007, 3.1]

3.2

adhesion

phenomenon of attachment at the interface between a solid surface and another material caused by molecular forces

Note 1 to entry: Adhesion should not be confused with cohesion.

[SOURCE: ISO 4618:2006, 2.6]

3.3

cohesion

forces that bind a film into an integral entity

Note 1 to entry: Cohesion should not be confused with adhesion.

Note 2 to entry: Breaks in cohesion can occur within the coating as well as the substrate. In case of breaks within the substrate, it is subsumed under the term material delamination.