



SLOVENSKI STANDARD SIST EN ISO 4624:2016

01-julij-2016

Nadomešča:
SIST EN ISO 4624:2004

Barve in laki - Preskušanje oprijema z odtrganjem filma (ISO 4624:2016)

Paints and varnishes - Pull-off test for adhesion (ISO 4624:2016)

Beschichtungsstoffe - Abreißversuch zur Bestimmung der Haftfestigkeit (ISO 4624:2016)

Peintures et vernis - Essai de traction (ISO 4624:2016)

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Ta slovenski standard je istoveten z: EN ISO 4624:2016

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ICS:

87.040

Barve in laki

Paints and varnishes

SIST EN ISO 4624:2016

en,fr,de

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EUROPEAN STANDARD

EN ISO 4624

NORME EUROPÉENNE

EUROPÄISCHE NORM

April 2016

ICS 87.040

Supersedes EN ISO 4624:2003

English Version

Paints and varnishes - Pull-off test for adhesion (ISO 4624:2016)

Peintures et vernis - Essai de traction (ISO 4624:2016)

Beschichtungsstoffe - Abreißversuch zur Bestimmung der Haftfestigkeit (ISO 4624:2016)

This European Standard was approved by CEN on 20 February 2016.

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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.

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

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

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European foreword

This document (EN ISO 4624:2016) 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of an identical text or by endorsement, at the latest by October 2016, and conflicting national standards shall be withdrawn at the latest by October 2016.

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.

This document supersedes EN ISO 4624:2003.

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.

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INTERNATIONAL
STANDARD

ISO
4624

Third edition
2016-03-01

**Paints and varnishes — Pull-off test
for adhesion**

Peintures et vernis — Essai de traction

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Reference number
ISO 4624:2016(E)

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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 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*.

This third edition cancels and replaces the second edition (ISO 4624:2002), which has been technically revised with the following changes:

- a) detailed information on how to avoid distortion of the substrate during the tensile test has been added;
- b) the three methods using one dolly or two dollies on a painted panel and two dollies, one as painted substrate, have been named methods A, B and C;
- c) the supplementary test conditions previously in Annex A have been integrated in the test report.

Introduction

This International Standard is one of two standards which describe methods for assessing the adhesion of a single coating or a multi-coat system of paint, varnish or related product by measuring the minimum tensile stress necessary to detach or to rupture the coating in a direction perpendicular to the substrate.

The test result is influenced not only by the mechanical properties of the system under test, but also by the nature and preparation of the substrate, the method of paint application, the drying conditions of the coating, the temperature, the humidity and other factors like the type of test instrument which has been used.

One other International Standard for the evaluation of adhesion characteristics is ISO 2409.

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