

SLOVENSKI STANDARD SIST EN ISO 4624:2023

01-september-2023

Nadomešča:

SIST EN ISO 4624:2016

Barve in laki - Preskušanje oprijema z odtrganjem filma (ISO 4624:2023)

Paints and varnishes - Pull-off test for adhesion (ISO 4624:2023)

Beschichtungsstoffe - Abreißversuch zur Bestimmung der Haftfestigkeit (ISO 4624:2023)

Peintures et vernis - Essai de traction (ISO 4624:2023)

Ta slovenski standard je istoveten z: EN ISO 4624:2023

ICS:

87.040 Barve in laki Paints and varnishes

SIST EN ISO 4624:2023 en,fr,de

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EUROPEAN STANDARD NORME EUROPÉENNE EUROPÄISCHE NORM **EN ISO 4624**

June 2023

ICS 87.040

Supersedes EN ISO 4624:2016

English Version

Paints and varnishes - Pull-off test for adhesion (ISO 4624:2023)

Peintures et vernis - Essai de traction (ISO 4624:2023)

Beschichtungsstoffe - Abreißversuch zur Bestimmung der Haftfestigkeit (ISO 4624:2023)

This European Standard was approved by CEN on 27 May 2023.

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

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EN ISO 4624:2023 (E)

Contents	Page	
European foreword		

iTeh STANDARD PREVIEW (standards.iteh.ai)

SIST EN ISO 4624:2023
https://standards.iteh.ai/catalog/standards/sist/d3f8704d-ed1b-4346-b25f

European foreword

This document (EN ISO 4624:2023) 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of an identical text or by endorsement, at the latest by December 2023, and conflicting national standards shall be withdrawn at the latest by December 2023.

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

This document supersedes EN ISO 4624:2016.

Any feedback and questions on this document should be directed to the users' national standards body/national committee. A complete listing of these bodies can be found on the CEN website.

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, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Republic of North Macedonia, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Türkiye and the United Kingdom.

Endorsement notice

The text of ISO 4624:2023 has been approved by CEN as EN ISO 4624:2023 without any modification.

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INTERNATIONAL STANDARD

ISO 4624

Fourth edition 2023-06

Paints and varnishes — Pull-off test for adhesion

Peintures et vernis — Essai de traction

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SIST EN ISO 4624:2023 https://standards.iteh.ai/catalog/standards/sist/d3f8704d-ed1b-4346-b25f



Reference number ISO 4624:2023(E)

ISO 4624:2023(E)

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SIST EN ISO 4624:2023
https://standards.iteh.ai/catalog/standards/sist/d3f8704d-ed1b-4346-b25f-49918c3911ec/sist-en-iso-4624-2023



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Published in Switzerland

Cor	ntents	Page
Fore	word	iv
Intro	oduction	v
1	Scope	1
2	Normative references	1
3	Terms and definitions	1
4	Principle	2
5	Apparatus	
6	Adhesives	5
7	Sampling	6
8	Test panels 8.1 Substrate 8.2 Preparation and coating 8.3 Drying and conditioning 8.4 Thickness of coating	6 6
9	Procedure 9.1 Number of determinations 9.2 Ambient conditions 9.3 Adhesive 9.4 Test assemblies 9.4.1 Method A: General method (using two dollies) for testing both rigid and deformable substrates 9.4.2 Method B: Method for testing from one side only, using a single dolly (suitable for rigid substrates only) 10 9.4.3 Method C: Method using dollies, one as a painted substrate 9.5 Measurement 9.5.1 Breaking strength 9.5.2 Nature of the fracture	667779
10	Calculation and expression of results 10.1 Breaking strength 10.2 Nature of failure 10.3 Example	9 10
11	Precision	10
12	Test report	10
Bibli	ography	12

ISO 4624:2023(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 document 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).

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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 fourth edition cancels and replaces the third edition (ISO 4624:2016), which has been technically revised.

The main changes are as follows:

- <u>Clause 3</u> on terms and definitions has been added;
- for the use of this method on concrete, larger dolly of up to 100 mm have been added to 5.2;
- requirement concerning the adhesive in relation to substrate or coating material has been added in <u>Clause 6</u> (last sentence).
- additional information has been added to the single dolly method in 9.4.2;
- the normative references have been updated.

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.

Introduction

This document describes methods for assessing the adhesion of a single coating or a multi-coat system of paint, varnish or a 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.

ISO 2409 can also be used for the evaluation of adhesion characteristics.

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SIST EN ISO 4624:2023
https://standards.iteh.ai/catalog/standards/sist/d3f8704d-ed1b-4346-b25f-49918c3911ec/sist-en-iso-4624-2023