



**SLOVENSKI STANDARD**  
**SIST EN ISO 4624:2004**

**01-januar-2004**

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**Barve in laki – Merjenje oprijema z metodo odtrganja filma (Pull-off test ) (ISO 4624:2002)**

Paints and varnishes - Pull-off test for adhesion (ISO 4624:2002)

Beschichtungsstoffe - Abreißversuch zur Bestimmung der Haftfestigkeit (ISO 4624:2002)

Peintures et vernis - Essai de traction (ISO 4624:2002)

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**Ta slovenski standard je istoveten z: EN ISO 4624:2003**

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**ICS:**

87.040

Barve in laki

Paints and varnishes

**SIST EN ISO 4624:2004**

**en**

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EUROPEAN STANDARD  
NORME EUROPÉENNE  
EUROPÄISCHE NORM

**EN ISO 4624**

May 2003

ICS 87.040

Supersedes EN 24624:1992

English version

## Paints and varnishes - Pull-off test for adhesion (ISO 4624:2002)

Peintures et vernis - Essai de traction (ISO 4624:2002)

Beschichtungsstoffe - Abreißversuch zur Bestimmung der  
haftfestigkeit (ISO 4624:2002)

This European Standard was approved by CEN on 17 March 2003.

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 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 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

Management Centre: rue de Stassart, 36 B-1050 Brussels

**EN ISO 4624:2003 (E)****Foreword**

The text of ISO 4624:2002 has been prepared by Technical Committee ISO/TC 35 "Paints and varnishes" of the International Organization for Standardization (ISO) and has been taken over as EN ISO 4624:2003 by 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 November 2003, and conflicting national standards shall be withdrawn at the latest by November 2003.

This document supersedes EN 24624:1992.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Luxembourg, Malta, Netherlands, Norway, Portugal, Slovakia, Spain, Sweden, Switzerland and the United Kingdom.

**Endorsement notice**  
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The text of ISO 4624:2002 has been approved by CEN as EN ISO 4624:2003 without any modifications.

NOTE Normative references to International Standards are listed in annex ZA (normative).  
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## Annex ZA (normative)

### Normative references to international publications with their relevant European publications

This European Standard incorporates by dated or undated reference, provisions from other publications. These normative references are cited at the appropriate places in the text and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of any of these publications apply to this European Standard only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies (including amendments).

NOTE Where an International Publication has been modified by common modifications, indicated by (mod.), the relevant EN/HD applies.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN</u>	<u>Year</u>
ISO 1513	1992	Paints and varnishes - Examination and preparation of samples for testing	EN ISO 1513	1991
ISO 1514	1993	Paints and varnishes - Standard panels for testing	EN ISO 1514	1997
ISO 2808	1997	Paints and varnishes - Determination of film thickness	EN ISO 2808	1999
ISO 3270	1984	Paints and varnishes and their raw materials - Temperatures and humidities for conditioning and testing	EN 23270	1991
ISO 15528	2000	Paints, varnishes and raw materials for paints and varnishes - Sampling	EN ISO 15528	2000

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# INTERNATIONAL STANDARD

**ISO**  
**4624**

Second edition  
2002-02-01

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

*Peintures et vernis — Essai de traction*

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Reference number  
ISO 4624:2002(E)

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**Contents**

	Page
1 Scope .....	1
2 Normative references .....	1
3 Principle .....	1
4 Required supplementary information .....	2
5 Apparatus .....	2
6 Adhesives .....	4
7 Sampling .....	4
8 Test panels .....	5
9 Procedure .....	5
10 Calculation and expression of results .....	8
11 Precision .....	8
12 Test report .....	9

**Annex**

A Required supplementary information .....	10
Bibliography .....	11

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**ISO 4624:2002(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.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 3.

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 International Standard may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights.

International Standard ISO 4624 was prepared by Technical Committee ISO/TC 35, *Paints and varnishes*, Subcommittee SC 9, *General test methods for paints and varnishes*.

This second edition cancels and replaces the first edition (ISO 4624:1978), clause 6 and subclauses 5.1, 5.2, 5.4 and 8.2 of which have been technically revised.

Annex A forms a normative part of this International Standard.

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## 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 instrument which has been used.

The other International Standard is ISO 2409:1992, *Paints and varnishes — Cross-cut test*.

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