



# SLOVENSKI STANDARD SIST EN ISO 1520:2007

01-marec-2007

BUKca Yý U  
SIST EN ISO 1520:2002

---

6 Ufj Y]b`U\_]!`DfYg\_i g`YUgh] bcgh]g'dfcXcfca `gZf] bY[ UfbbUf]IC`%)&\$.&\$\*\$`L

Paints and varnishes - Cupping test (ISO 1520:2006)

Beschichtungsstoffe - Tiefungsprüfung (ISO 1520:2006)

Peintures et vernis - Essai d'emboutissage (ISO 1520:2006)

**iTeh STANDARD PREVIEW**  
**(standards.iteh.ai)**

**Ta slovenski standard je istoveten z: EN ISO 1520:2006**

<https://standards.iteh.ai/catalog/standards/sist/8c3d6771-974e-4f8e-a502-d373eb5b54ef/sist-en-iso-1520-2007>

---

**ICS:**

87.040

Barve in laki

Paints and varnishes

**SIST EN ISO 1520:2007**

**en**

## **iTeh STANDARD PREVIEW** **(standards.iteh.ai)**

SIST EN ISO 1520:2007

<https://standards.iteh.ai/catalog/standards/sist/8c3d6771-974e-4f8e-a502-d373eb5b54cf/sist-en-iso-1520-2007>

English Version

## Paints and varnishes - Cupping test (ISO 1520:2006)

Peintures et vernis - Essai d'emboutissage (ISO  
1520:2006)

Beschichtungsstoffe - Tiefungsprüfung (ISO 1520:2006)

This European Standard was approved by CEN on 25 October 2006.

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 Central Secretariat 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 Central Secretariat has the same status as the official versions.

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

[SIST EN ISO 1520:2007  
https://standards.iteh.ai/catalog/standards/sist/8c3d6771-974e-4f8e-a502-  
d373eb5b54cf/sist-en-iso-1520-2007](https://standards.iteh.ai/catalog/standards/sist/8c3d6771-974e-4f8e-a502-d373eb5b54cf/sist-en-iso-1520-2007)



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

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

## **Foreword**

This document (EN ISO 1520:2006) 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 May 2007, and conflicting national standards shall be withdrawn at the latest by May 2007.

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

## **Endorsement notice**

The text of ISO 1520:2006 has been approved by CEN as EN ISO 1520:2006 without any modifications.

**iTeh STANDARD PREVIEW**  
**(standards.iteh.ai)**

[SIST EN ISO 1520:2007](https://standards.iteh.ai/catalog/standards/sist/8c3d6771-974e-4f8e-a502-d373eb5b54cf/sist-en-iso-1520-2007)  
<https://standards.iteh.ai/catalog/standards/sist/8c3d6771-974e-4f8e-a502-d373eb5b54cf/sist-en-iso-1520-2007>

---

---

## Paints and varnishes — Cupping test

*Peintures et vernis — Essai d'emboutissage*

**iTeh STANDARD PREVIEW**  
**(standards.iteh.ai)**

[SIST EN ISO 1520:2007](https://standards.iteh.ai/catalog/standards/sist/8c3d6771-974e-4f8e-a502-d373eb5b54cf/sist-en-iso-1520-2007)

<https://standards.iteh.ai/catalog/standards/sist/8c3d6771-974e-4f8e-a502-d373eb5b54cf/sist-en-iso-1520-2007>



**PDF disclaimer**

This PDF file may contain embedded typefaces. In accordance with Adobe's licensing policy, this file may be printed or viewed but shall not be edited unless the typefaces which are embedded are licensed to and installed on the computer performing the editing. In downloading this file, parties accept therein the responsibility of not infringing Adobe's licensing policy. The ISO Central Secretariat accepts no liability in this area.

Adobe is a trademark of Adobe Systems Incorporated.

Details of the software products used to create this PDF file can be found in the General Info relative to the file; the PDF-creation parameters were optimized for printing. Every care has been taken to ensure that the file is suitable for use by ISO member bodies. In the unlikely event that a problem relating to it is found, please inform the Central Secretariat at the address given below.

## iTeh STANDARD PREVIEW (standards.iteh.ai)

SIST EN ISO 1520:2007

<https://standards.iteh.ai/catalog/standards/sist/8c3d6771-974e-4f8e-a502-d373eb5b54cf/sist-en-iso-1520-2007>

© ISO 2006

All rights reserved. Unless otherwise specified, no part of this publication may be reproduced or utilized in any form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing 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](mailto:copyright@iso.org)  
Web [www.iso.org](http://www.iso.org)

Published in Switzerland

## Contents

Page

1	Scope .....	1
2	Normative references .....	1
3	Principle .....	1
4	Apparatus .....	1
5	Sampling .....	3
6	Test panels .....	3
7	Procedure .....	3
8	Supplementary test conditions .....	4
9	Expression of results .....	4
10	Precision .....	5
11	Test report .....	5
	Bibliography .....	6

## iTeh STANDARD PREVIEW (standards.iteh.ai)

SIST EN ISO 1520:2007

<https://standards.iteh.ai/catalog/standards/sist/8c3d6771-974e-4f8e-a502-d373eb5b54cf/sist-en-iso-1520-2007>

## 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 2.

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 1520 was prepared by Technical Committee 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 1520:1999), which has been technically revised. The main changes are:

- the determination is carried out in duplicate instead of triplicate;
- precision data have been added;
- the text has been editorially revised and the normative references have been reviewed.



## Introduction

This International Standard is one of six standards which specify empirical test procedures for assessing the resistance of coatings of paints, varnishes and related products to cracking and/or detachment from the substrate under different conditions of deformation.

The other standards are:

ISO 1519, *Paints and varnishes — Bend test (cylindrical mandrel)*

ISO 6272-1, *Paints and varnishes — Rapid-deformation (impact resistance) tests — Part 1: Falling-weight test, large-area indenter*

ISO 6272-2, *Paints and varnishes — Rapid-deformation (impact resistance) tests — Part 2: Falling-weight test, small-area indenter*

ISO 6860, *Paints and varnishes — Bend test (conical mandrel)*

ISO 17132, *Paints and varnishes — T-bend test*

The method to be chosen depends on the property which has to be measured. In principle, all these tests differ technically from each other and differ in accuracy.

**iTeh STANDARD PREVIEW**  
**(standards.iteh.ai)**

SIST EN ISO 1520:2007

<https://standards.iteh.ai/catalog/standards/sist/8c3d6771-974e-4f8e-a502-d373eb5b54cf/sist-en-iso-1520-2007>