



SLOVENSKI STANDARD SIST EN ISO 1519:2012

01-januar-2012

Nadomešča:

SIST EN ISO 1519:2002

Barve in laki - Preskus s pregibom (cilindrični trn) (ISO 1519:2011)

Paints and varnishes - Bend test (cylindrical mandrel) (ISO 1519:2011)

Beschichtungsstoffe - Dornbiegeversuch (zylindrischer Dorn) (ISO 1519:2011)

Peintures et vernis - Essai de pliage sur mandrin cylindrique (ISO 1519:2011)

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Ta slovenski standard je istoveten z: EN ISO 1519:2011

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ICS:

87.040

Barve in laki

Paints and varnishes

SIST EN ISO 1519:2012

en,fr,de

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EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN ISO 1519

January 2011

ICS 87.040

Supersedes EN ISO 1519:2002

English Version

**Paints and varnishes - Bend test (cylindrical mandrel) (ISO
1519:2011)**

Peintures et vernis - Essai de pliage sur mandrin
cylindrique (ISO 1519:2011)

Beschichtungstoffe - Dornbiegeversuch (zylindrischer
Dom) (ISO 1519:2011)

This European Standard was approved by CEN on 8 January 2011.

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.

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EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
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Foreword

This document (EN ISO 1519:2011) 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of an identical text or by endorsement, at the latest by July 2011, and conflicting national standards shall be withdrawn at the latest by July 2011.

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 1519:2002.

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, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and the United Kingdom.

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INTERNATIONAL
STANDARD

ISO
1519

Third edition
2011-01-15

**Paints and varnishes — Bend test
(cylindrical mandrel)**

Peintures et vernis — Essai de pliage sur mandrin cylindrique

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ISO 1519:2011(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 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 1519 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 1519:2002), which has been technically revised. The main changes are:

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- a) A principle clause has been added.
 - b) The requirement to carry out the test at a controlled relative humidity has been deleted (although the relative humidity is measured and recorded during the test). A maximum limit for the time between conditioning and testing has therefore been added.
 - c) The supplementary test conditions (formerly Annex A) have been integrated in the test report.
 - d) Information has been given on the precision of the method.

Introduction

This International Standard is one of six 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 five documents are:

- ISO 1520, *Paints and varnishes — Cupping test*
- 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 chosen will depend on the property to be measured and on agreement between the interested parties. In principle, all these tests differ from each other technically and in their accuracy.

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