

## **Coil coated metals - Test methods - Part 6: Adhesion after indentation (cupping test)**

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Adhesion after indentation (cupping test)

## EESTI STANDARDI EESSÕNA

## NATIONAL FOREWORD

<p>Käesolev Eesti standard EVS-EN 13523-6:2002 sisaldab Euroopa standardi EN 13523-6:2002 ingliskeelset teksti.</p> <p>Käesolev dokument on jõustatud 18.10.2002 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes.</p> <p>Standard on kättesaadav Eesti standardiorganisatsioonist.</p>	<p>This Estonian standard EVS-EN 13523-6:2002 consists of the English text of the European standard EN 13523-6:2002.</p> <p>This document is endorsed on 18.10.2002 with the notification being published in the official publication of the Estonian national standardisation organisation.</p> <p>The standard is available from Estonian standardisation organisation.</p>
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<p><b>Käsitlusala:</b> This Part of EN 13523 defines terms of the procedure for determining the adhesion of an organic coating to a metallic substrate after indentation after slow deformation. The resistance to cracking may also be evaluated</p>	<p><b>Scope:</b> This Part of EN 13523 defines terms of the procedure for determining the adhesion of an organic coating to a metallic substrate after indentation after slow deformation. The resistance to cracking may also be evaluated</p>
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**ICS** 17.040.20, 25.220.60

**Võtmesõnad:** adhesive strength, coating materials, coatings, cupping test, indentation tests, metal coating, metals, paints, specification (approval), specifications, testing

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ICS 17.040.20; 25.220.60

English version

## Coil coated metals - Test methods - Part 6: Adhesion after indentation (cupping test)

Tôles prélaquées - Méthodes d'essai - Partie 6: Adhérence après indentation (essai d'emboutissage)

Bandbeschichtete Metalle - Prüfverfahren - Teil 6: Haftfestigkeit nach Eindrücken (Tiefungsprüfung)

This European Standard was approved by CEN on 11 April 2002.

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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 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

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## Foreword

This document EN 13523-6:2002 has been prepared 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 January 2003, and conflicting national standards shall be withdrawn at the latest by January 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, Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Malta, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and the United Kingdom.

## 1 Scope

This Part of EN 13523 defines terms of the procedure for determining the adhesion of an organic coating to a metallic substrate after indentation after slow deformation.

The resistance to cracking can also be evaluated.

## 2 Normative references

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).

EN 13523-0:2001, *Coil coated metals - Test methods - Part 0: General introduction and list of test methods*.

EN 23270:1991, *Paints and varnishes and their raw materials - Temperatures and humidities for conditioning and testing (ISO 3270:1984)*.

EN ISO 1520:2001, *Paints and varnishes - Cupping test (ISO 1520:1999)*.

IEC 60454-2:1994, *Specification for pressure-sensitive adhesive tapes for electrical purposes - Part 2: Methods of test*.

## 3 Terms and definitions

For the purposes of this Part of EN 13523, the terms and definitions given in EN 13523-0:2001 apply.

## 4 Principle

The test specimen is cross-hatched with a cutting tool and is then deformed by pressing under specified conditions. After pressing, the test specimen can be artificially aged by immersion in boiling water.