

Coil coated metals - Test methods - Part 16: Resistance to abrasion

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Resistance to abrasion

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

<p>Käesolev Eesti standard EVS-EN 13523-16:2005 sisaldab Euroopa standardi EN 13523-16:2004 ingliskeelset teksti.</p> <p>Käesolev dokument on jõustatud 25.01.2005 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes.</p> <p>Standard on kättesaadav Eesti standardiorganisatsioonist.</p>	<p>This Estonian standard EVS-EN 13523-16:2005 consists of the English text of the European standard EN 13523-16:2004.</p> <p>This document is endorsed on 25.01.2005 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>Käsitlusala: This Part of EN 13523 describes the procedure for determining the resistance to abrasion and wear of an organic coating on a metallic substrate.</p>	<p>Scope: This Part of EN 13523 describes the procedure for determining the resistance to abrasion and wear of an organic coating on a metallic substrate.</p>
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English version

Coil coated metals - Test methods - Part 16: Resistance to abrasion

Tôles prélaquées - Méthodes d'essai - Partie 16:
Résistance à l'abrasion

Bandbeschichtete Metalle - Prüfverfahren - Teil 16:
Widerstandsfähigkeit gegen Abrieb

This European Standard was approved by CEN on 23 September 2004.

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

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Foreword

This document (EN 13523-16:2004) 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of an identical text or by endorsement, at the latest by May 2005, and conflicting national standards shall be withdrawn at the latest by May 2005.

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

1 Scope

This part of EN 13523 describes the procedure for determining the resistance to abrasion and wear of an organic coating on a metallic substrate.

2 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

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

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

ISO 7784-2, *Paints and varnishes — Determination of resistance to abrasion — Part 2: Rotating abrasive rubber wheel method*.

3 Terms and definitions

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

4 Principle

A coated test panel is placed on a rotating disc under a set of two abrasive wheels mounted in parallel and symmetrically on opposite sides of the centre rotating in the reverse direction.

5 Apparatus

5.1 Taber abraser, as specified in ISO 7784-2, or equivalent equipment.

5.2 Analytical balance, accurate to 0,1 mg.

5.3 Suction device, with two nozzles. One of the nozzles shall be positioned between the two wheels and the other placed diametrically opposite the first. The distance between the axes of the two nozzles shall be (75 ± 2) mm and the distance between them and the test panel 1 mm to 2 mm.

When the suction nozzles are in position, the air pressure in the suction device shall be 1,5 kPa to 1,6 kPa lower than the atmospheric pressure.

6 Sampling

See EN 13523-0.