

Coil coated metals - Test methods - Part 24: Resistance to blocking and pressure marking

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Resistance to blocking and pressure marking

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

<p>Käesolev Eesti standard EVS-EN 13523-24:2005 sisaldab Euroopa standardi EN 13523-24:2004 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 13523-24:2005 consists of the English text of the European standard EN 13523-24:2004.</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:</p> <p>This Part of EN 13523 describes the procedure for determining the resistance to blocking and/or pressure marking of an organic coating on a metallic substrate. Pressure generated within a coil or a stack of sheets can affect the coating surface and cause marks of gloss transfer, plasticizer migration, colour change, etc. and even blocking/sticking. Lighter forms of pressure marking are normally removed by gentle heat (e.g. sunshine).</p>	<p>Scope:</p> <p>This Part of EN 13523 describes the procedure for determining the resistance to blocking and/or pressure marking of an organic coating on a metallic substrate. Pressure generated within a coil or a stack of sheets can affect the coating surface and cause marks of gloss transfer, plasticizer migration, colour change, etc. and even blocking/sticking. Lighter forms of pressure marking are normally removed by gentle heat (e.g. sunshine).</p>
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Võtmesõnad:

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English version

Coil coated metals - Test methods - Part 24: Resistance to blocking and pressure marking

Tôles prélaquées - Méthodes d'essai - Partie 24 :
Résistance à l'adhérence et au marbrage

Bandbeschichtete Metalle - Prüfverfahren - Teil 24: Block-
und Stapelfestigkeit

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

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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 Central Secretariat 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

Foreword

This document (EN 13523-24:2004) 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: 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.

Introduction

Pressure generated within a coil or a stack of sheets can affect the coating surface and cause marks of gloss transfer, plasticizer migration, etc. and even blocking/sticking.

1 Scope

This part of EN 13523 describes the procedure for determining the resistance to blocking and/or pressure marking 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, *Coil coated metals — Test methods — Part 0: General introduction and list of test methods*.

EN 13523-4, *Coil coated metals — Test methods — Part 4: Pencil hardness*.

EN 13523-22, *Coil coated metals — Test methods — Part 22: Colour difference — Visual comparison*.

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

3 Principle

Test panels are placed on top of each other in a stack, the two surfaces to be evaluated being in contact. The stack is placed in a press, where a uniform pressure can be applied at an elevated temperature.

4 Apparatus

4.1 General

Ordinary laboratory apparatus and glassware, together with the following:

4.2 Press

designed to ensure a uniform pressure at elevated temperature. Both pressure and temperature shall be adjustable

5 Sampling

See EN 13523-0.

6 Test panels

See EN 13523-0.

Test panels (usually 100 mm × 120 mm) shall be flat and free from contamination.

Cut edges shall be flat and any burrs shall be removed.

For each system under evaluation, there shall be at least two test samples plus one reference sample.