

Rubber- or plastics-coated fabrics - Determination of coating adhesion

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coating adhesion

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

Käesolev Eesti standard EVS-EN ISO 2411:2000 sisaldab Euroopa standardi EN ISO 2411:2000 ingliskeelset teksti. Käesolev dokument on jõustatud 13.10.2000 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes. Standard on kättesaadav Eesti standardiorganisatsioonist.	This Estonian standard EVS-EN ISO 2411:2000 consists of the English text of the European standard EN ISO 2411:2000. This document is endorsed on 13.10.2000 with the notification being published in the official publication of the Estonian national standardisation organisation. The standard is available from Estonian standardisation organisation.
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Käsitlusala: This European Standard specifies a method of determining the coating adhesion strength of coated fabrics	Scope: This European Standard specifies a method of determining the coating adhesion strength of coated fabrics
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ICS 59.080.40

Võtmesõnad: coated fabrics, determination, plastic products, plastic-coated fabrics, rubber products, rubber-coated fabrics, tests

English version

Rubber- or plastics-coated fabrics

Determination of coating adhesion
(ISO 2411 : 2000)

Supports textiles revêtus de
caoutchouc ou de plastique –
Détermination de l'adhérence du
revêtement (ISO 2411 : 2000)

Mit Kautschuk oder Kunststoff
beschichtete Textilien – Bestimmung
der Haftfestigkeit von
Beschichtungen (ISO 2411 : 2000)

This European Standard was approved by CEN on 1999-11-27.

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.

The European Standards exist 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, the Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, the Netherlands, Norway, Portugal, Spain, Sweden, Switzerland, and the United Kingdom.

CEN

European Committee for Standardization
Comité Européen de Normalisation
Europäisches Komitee für Normung

Central Secretariat: rue de Stassart 36, B-1050 Brussels

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Foreword

The text of EN ISO 2411:2000 has been prepared by Technical Committee CEN/TC 248 "Textiles and textile products", the secretariat of which is held by BSI, in collaboration with Technical Committee ISO/TC 45 "Rubber and rubber products".

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 November 2000, and conflicting national standards shall be withdrawn at the latest by November 2000.

This standard includes an informative annex A.

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, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and the United Kingdom.

Introduction

Knowledge of the strength of adhesion between the coating and the adjacent layer is important as an inadequate adhesion strength can often result in failure of the product due to delamination.

NOTE Persons using this standard should be familiar with normal laboratory practice. This standard does not purport to address all of the safety problems, if any, associated with its use. It is the responsibility of the user to establish appropriate safety and health practices and to ensure compliance with any national regulatory conditions.

1 Scope

This European Standard specifies a method of determining the coating adhesion strength of coated fabrics.

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 by amendment or revision. For undated references the latest edition of the publication referred to applies.

EN ISO 2231, *Rubber- or plastics-coated fabrics — Standard atmospheres for conditioning and testing. (ISO 2231:1989)*

EN ISO 2286-1, *Rubber- or plastics-coated fabrics — Determination of roll characteristics — Part 1: Methods for the determination of length, width and net mass (ISO 2286:1998)*

ISO 5893, *Rubber and plastics test equipment — Tensile, flexural and compression types (constant rate of traverse) — Description*

EN ISO 7500-1, *Metallic materials — Verification of static uniaxial testing machines — Part 1: Tension/compression testing machines — Verification and calibration of the force - measuring system*

3 Terms and definitions

For the purposes of this European Standard the following terms and definitions apply.

3.1

delamination

partial or whole separation of two, or more, of the component layers of a coated fabric. This can be either a fabric to polymer separation or separation within the actual polymeric layer

3.2

coating to fabric peel

separation with no coating polymer residue remaining on the substrate

3.3

partial film tear

delamination leaving patches of coating polymer still adhering to the substrate