

This document is a preview generated by EVS

**Leather - Physical and mechanical tests -
Determination of surface coating thickness**

Leather - Physical and mechanical tests -
Determination of surface coating thickness

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

<p>Käesolev Eesti standard EVS-EN ISO 17186:2003 sisaldab Euroopa standardi EN ISO 17186:2002 ingliskeelset teksti.</p> <p>Käesolev dokument on jõustatud 15.04.2003 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes.</p> <p>Standard on kättesaadav Eesti standardiorganisatsioonist.</p>	<p>This Estonian standard EVS-EN ISO 17186:2003 consists of the English text of the European standard EN ISO 17186:2002.</p> <p>This document is endorsed on 15.04.2003 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>
--	---

<p>Käsitlusala: This International Standard specifies a method for determining the thickness of the surface coating applied to leather when measured under zero compression. It is applicable to all types of leather</p>	<p>Scope: This International Standard specifies a method for determining the thickness of the surface coating applied to leather when measured under zero compression. It is applicable to all types of leather</p>
--	--

ICS 59.140.30

Võtmesõnad:

ICS 59.140.30

English version

Leather

Physical and mechanical tests – Determination of surface coating thickness

(ISO 17186 : 2002)

Cuir – Essais physiques et mécaniques – Détermination de l'épaisseur du revêtement de surface (ISO 17186 : 2002)

Leder – Physikalische und mechanische Prüfungen – Bestimmung der Dicke der Oberflächendeckschicht (ISO 17186 : 2002)

This European Standard was approved by CEN on 2002-06-08.

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

CEN

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

Management Centre: rue de Stassart 36, B-1050 Brussels

Foreword

International Standard

ISO 17186 : 2002 Leather – Physical and mechanical tests – Determination of surface coating thickness, which was prepared by ISO/TC 120 ‘Leather’ of the International Organization for Standardization, has been adopted by Technical Committee CEN/TC 289 ‘Leather’, the Secretariat of which is held by UNI, as a European Standard. This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, and conflicting national standards withdrawn, by June 2003 at the latest.

In accordance with the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard:

Austria, Belgium, the Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Malta, the Netherlands, Norway, Portugal, Spain, Sweden, Switzerland, and the United Kingdom.

Endorsement notice

The text of the International Standard ISO 17186 : 2002 was approved by CEN as a European Standard without any modification as given above.

Contents

	Page
Foreword	2
1 Scope	3
2 Normative references	3
3 Principle	3
4 Apparatus	3
5 Sampling and sample preparation	3
6 Procedure	4
7 Expression of results	6
8 Test report	6

1 Scope

This International Standard specifies a method for determining the thickness of the surface coating applied to leather when measured under zero compression. It is applicable to all types of leather.

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.

ISO 2418 *Leather - Chemical, physical and mechanical and fastness tests – Sampling location*

ISO 2419 *Leather - Physical and mechanical tests - Sample preparation and conditioning*

3 Principle

A section of leather is taken perpendicular to the coated surface. The thickness of the surface coating is measured using a microscope and expressed both as a thickness and as a percentage to the total thickness.

4 Apparatus

4.1 Light microscope or scanning electron microscope, capable of giving a magnification of at least 15 times and fitted with either a means of taking photographs or a graduated scale capable of measuring to at least 0,01 mm.

4.2 Razor blade, if the microscope illuminates from above or a scanning electron microscope is used.

4.3 Microtome, if the microscope illuminates from below.

4.4 Cork, or similar material, to hold the leather while it is sectioned, if a microtome is used.

4.5 Grid, reading to at least 0,01 mm and suitable for use in the microscope or scanning electron microscope used.

4.6 Coating unit, sputter or evaporation including gold or gold-palladium alloy for coating, if scanning electron microscope is used.

4.7 Specimen stubs, suitable for scanning electron microscope.

5 Sampling and sample preparation

5.1 Sample in accordance with ISO 2418. Condition in accordance with ISO 2419.