

Leather - Guide to the selection of leather for apparel  
(excluding furs) (ISO 14931:2015)

## EESTI STANDARDI EESSÕNA

## NATIONAL FOREWORD

|   |  |
|---|--|
| See Eesti standard EVS-EN ISO 14931:2015 sisaldab Euroopa standardi EN ISO 14931:2015 ingliskeelset teksti.         | This Estonian standard EVS-EN ISO 14931:2015 consists of the English text of the European standard EN ISO 14931:2015.              |
| Standard on jõustunud sellekohase teate avaldamisega EVS Teatajas   | This standard has been endorsed with a notification published in the official bulletin of the Estonian Centre for Standardisation. |
| Euroopa standardimisorganisatsioonid on teinud Euroopa standardi rahvuslikele liikmetele kättesaadavaks 04.03.2015. | Date of Availability of the European standard is 04.03.2015.   |
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English Version

**Leather - Guide to the selection of leather for apparel (excluding furs) (ISO 14931:2015)**

Cuirs - Guide pour la sélection des cuirs pour vêtements (à l'exclusion des fourrures) (ISO 14931:2015)

Leder - Richtlinie zur Auswahl von Leder für Bekleidung (Pelze ausgenommen) (ISO 14931:2015)

This European Standard was approved by CEN on 3 January 2015.

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

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## Foreword

This document (EN ISO 14931:2015) has been prepared by Technical Committee ISO/TC 120 "Leather" in collaboration with Technical Committee CEN/TC 289 "Leather" the secretariat of which is held by UNI.

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of an identical text or by endorsement, at the latest by September 2015, and conflicting national standards shall be withdrawn at the latest by September 2015.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN [and/or CENELEC] shall not be held responsible for identifying any or all such patent rights.

This document supersedes EN ISO 14931:2004.

According to the CEN-CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

### Endorsement notice

The text of ISO 14931:2015 has been approved by CEN as EN ISO 14931:2015 without any modification.

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## Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see [www.iso.org/directives](http://www.iso.org/directives)).

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For an explanation on the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the WTO principles in the Technical Barriers to Trade (TBT) see the following URL: [Foreword - Supplementary information](#)

The committee responsible for this document is ISO/TC 120, *Leather*, Subcommittee SC 2, *Tanned leather*.

This second edition cancels and replaces the first edition (ISO 14931:2004), which has been technically revised.

# Leather — Guide to the selection of leather for apparel (excluding furs)

## 1 Scope

This International Standard gives recommended values and related test methods for apparel leather excluding furs. It also specifies the sampling and conditioning procedures of laboratory samples.

## 2 Normative references

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

ISO 105-B02, *Textiles — Tests for colour fastness — Part B02: Colour fastness to artificial light: Xenon arc fading lamp test*

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

ISO 2419, *Leather — Physical and mechanical tests — Sample preparation and conditioning*

ISO 2588, *Leather — Sampling — Number of items for a gross sample*

ISO 3377-1, *Leather — Physical and mechanical tests — Determination of tear load — Part 1: Single edge tear*

ISO 4044, *Leather — Chemical tests — Preparation of chemical test samples*

ISO 4045, *Leather — Chemical tests — Determination of pH*

ISO 5402-1, *Leather — Determination of flex resistance — Part 1: Flexometer method*

ISO 11640, *Leather — Tests for colour fastness — Colour fastness to cycles of to-and-fro rubbing*

ISO 11641, *Leather — Tests for colour fastness — Colour fastness to perspiration*

ISO 11642, *Leather — Tests for colour fastness — Colour fastness to water*

ISO 11643, *Leather — Tests for colour fastness — Colour fastness of small samples to solvents*

ISO 11644, *Leather — Test for adhesion of finish*

ISO 15700, *Leather — Tests for colour fastness — Colour fastness to water spotting*

ISO 17070, *Leather — Chemical tests — Determination of pentachlorophenol content*

ISO 17075, *Leather — Chemical tests — Determination of chromium(VI) content*

ISO 17186, *Leather — Physical and mechanical tests — Determination of surface coating thickness*

ISO 17226-1, *Leather — Chemical determination of formaldehyde content — Part 1: Method using high performance liquid chromatography*

ISO 17233, *Leather — Physical and mechanical tests — Determination of cold crack temperature of surface coatings*

ISO 17234-1, *Leather — Chemical tests for the determination of certain azo colorants in dyed leathers — Part 1: Determination of certain aromatic amines derived from azo colorants*

ISO 17234-2, *Leather — Chemical tests for the determination of certain azo colorants in dyed leathers — Part 2: Determination of 4-aminoazobenzene*

### 3 Sampling

**3.1** When possible, the location and identification of laboratory samples shall be in accordance with ISO 2418.

**3.2** The number of samples shall be by agreement between the interested parties except in cases of dispute when the number of samples shall be in accordance with ISO 2588. In case the lot size of the leathers is high, the maximum number of samples shall be five.

### 4 Sample conditioning and preparation

**4.1** Laboratory samples for physical, mechanical, and fastness tests shall be conditioned and prepared in accordance with ISO 2419.

**4.2** Laboratory samples for chemical tests shall be conditioned and prepared in accordance with ISO 4044.

### 5 Characteristics, test methods and recommended values

**5.1** [Table 1](#) and [Table 2](#) show the characteristics, test methods, and recommended values for different types of leather intended for apparel. The essential characteristics ([Table 1](#)) shall be taken all into account, even if they can have different relative weight in the process of evaluation relative to use. The subsidiary characteristics ([Table 2](#)) shall be agreed by the parties concerned according to the intended use of the leather.

**5.2** The coating thickness of leather shall be measured according to ISO 17186.

### 6 Test report

The test report shall contain at least the following information:

- a) reference to this International Standard, i.e. ISO 14931;
- b) identification of test sample and if required, sampling procedure;
- c) date and place of the tests;
- d) test results and number of test specimens;
- e) conditioning and test atmosphere used;
- f) any deviation from this document.