

Leather - Measurement of leather surface - Using
electronic techniques (ISO 19076:2016)

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

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|---|--|
| See Eesti standard EVS-EN ISO 19076:2016 sisaldab Euroopa standardi EN ISO 19076:2016 ingliskeelset teksti. | This Estonian standard EVS-EN ISO 19076:2016 consists of the English text of the European standard EN ISO 19076:2016. |
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English Version

Leather - Measurement of leather surface - Using
electronic techniques (ISO 19076:2016)

Cuir - Mesurage de la surface du cuir - Utilisation de
techniques électroniques (ISO 19076:2016)

Leder - Messung der Oberfläche des Leders -
Elektronische Verfahren (ISO 19076:2016)

This European Standard was approved by CEN on 30 July 2016.

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COMITÉ EUROPÉEN DE NORMALISATION
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European foreword

This document (EN ISO 19076:2016) has been prepared by Technical Committee IULTCS “International Union of Leather Technologists and Chemists Societies” 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of an identical text or by endorsement, at the latest by February 2017, and conflicting national standards shall be withdrawn at the latest by February 2017.

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.

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Endorsement notice

The text of ISO 19076:2016 has been approved by CEN as EN ISO 19076:2016 without any modification.

Contents

Page

| | |
|--|-----------|
| Foreword | iv |
| Introduction | v |
| 1 Scope | 1 |
| 2 Normative references | 1 |
| 3 Terms and definitions | 1 |
| 4 Principle | 1 |
| 5 Apparatus and materials | 1 |
| 5.1 Measuring machine | 1 |
| 5.1.1 Machine design types | 1 |
| 5.1.2 Type A, B, and C measuring machines | 2 |
| 5.1.3 Type D measuring machine | 2 |
| 5.2 Reference calibrated templates for machine verification | 3 |
| 6 Sampling and conditioning | 3 |
| 7 General measurement criteria | 3 |
| 7.1 General requirement | 3 |
| 7.2 Leather orientation during measurement | 4 |
| 7.2.1 General | 4 |
| 7.2.2 Measuring whole leathers | 4 |
| 7.2.3 Measuring half leathers | 4 |
| 7.2.4 Measuring leather cut pieces | 4 |
| 7.3 Measurement operations | 4 |
| 7.3.1 Roller machines | 4 |
| 7.3.2 Conveyor machines | 4 |
| 7.3.3 Flatbed scanner machines and bi-dimensional static measuring devices | 5 |
| 8 Measurement procedure | 5 |
| 9 Calculation and expression of results | 6 |
| 10 Test report | 6 |
| Annex A (normative) Calibrated templates for the verification of electronic measuring machines | 7 |
| Annex B (normative) Procedure for the verification of a measuring machine by calibrated templates | 9 |
| Annex C (normative) Laboratory record of calibrated templates | 11 |
| Annex D (informative) Repeatability and reproducibility | 12 |
| Bibliography | 14 |

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).

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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](#)

ISO 19076/IUP 58 was prepared by the Physical Test Commission of the International Union of Leather Technologists and Chemists Societies (IUP Commission, IULTCS) in collaboration with the European Committee for Standardization (CEN) Technical Committee CEN/TC 289, *Leather*, the secretariat of which is held by UNI, in accordance with the agreement on technical co-operation between ISO and CEN (Vienna Agreement).

IULTCS, originally formed in 1897, is a world-wide organization of professional leather societies to further the advancement of leather science and technology. IULTCS has three Commissions, which are responsible for establishing international methods for the sampling and testing of leather. ISO recognizes IULTCS as an international standardizing body for the preparation of test methods for leather.

Introduction

Leather surface measuring equipment used within the European Union (EU) for legal metrology applications are also subject to the EU Directive, 2004/22/EC, on measuring instruments.

Leather — Measurement of leather surface — Using electronic techniques

1 Scope

This International Standard provides a method for the measurement of the surface of leather or leather parts by the use of electronic measuring machines.

It applies to the measurement of leather (or leather parts) fulfilling the following requirements:

- flexible leather, finished or unfinished, dry or wet leather;
- flexibility: such to allow full distension on the measuring line/surface.

NOTE For tanned and pressed wet leather, the parties involved agree on the conditioning type. In case of dispute, leather is to be conditioned according to the reference standard conditions in ISO 2419.

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

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

EN 15987, *Leather — Terminology — Key definitions for the leather trade*

3 Terms and definitions

For the purposes of this document, the terms and definitions given in EN 15987 and the following apply.

3.1

relative feed

<in non-static measuring machines> movement of relative translation between leather and the system detecting its presence

4 Principle

The leather surface is measured by means of a measuring device provided with a linear or rectangular array of uniformly-spaced electronic sensors, capable to detect leather presence and to integrate the relevant information (as a sum of elementary rectangular areas). Precision data are available in [Annex D](#).

5 Apparatus and materials

5.1 Measuring machine

5.1.1 Machine design types

The measuring machines are built according to 4 basic types: