

Leather - Tests for colour fastness - Colour fastness to migration into polymeric material (ISO 15701:2015)

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

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English Version

**Leather - Tests for colour fastness - Colour fastness to migration
into polymeric material (ISO 15701:2015)**

Cuir - Essais de solidité des coloris - Solidité des coloris à
la migration dans les matériaux polymères (ISO
15701:2015)

Leder - Farbechtheitsprüfungen - Bestimmung der
Migrationsechtheit gegenüber Polymerwerkstoff (ISO
15701:2015)

This European Standard was approved by CEN on 21 February 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 15701:2015) has been prepared by 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of an identical text or by endorsement, at the latest by October 2015, and conflicting national standards shall be withdrawn at the latest by October 2015.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.

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Endorsement notice

The text of ISO 15701:2015 has been approved by CEN as EN ISO 15701:2015 without any modification.

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Leather — Tests for colour fastness — Colour fastness to migration into polymeric material

1 Scope

This International Standard specifies a method for assessing the propensity of dyes and pigments to migrate from leather to a synthetic substrate by determining the transfer of colour from the leather to white plasticized poly(vinyl chloride) in contact with it.

This method is suitable for leather of all kinds at any stage of processing.

NOTE Tests to determine the transfer of colour from the leather using other polymeric materials (e.g. thermoplastic polyurethane) are also possible.

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-A01, *Textiles — Tests for colour fastness — Part A01: General principles of testing*

ISO 105-A03, *Textiles — Tests for colour fastness — Part A03: Grey scale for assessing staining*

ISO 105-A04, *Textiles — Tests for colour fastness — Part A04: Method for the instrumental assessment of the degree of staining of adjacent fabrics*

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

3 Principle

The side under test of the leather specimen is placed on a polymeric sheet, for example a white-pigmented sheet of plasticized poly(vinyl chloride), and the resultant composite specimen is exposed to heat under pressure in a suitable apparatus. The transfer of colour from the leather to the white sheet is assessed with the standard grey scale for assessing staining and, if applicable, any change in hue of the staining is also assessed.

The use of standard sheets of plasticized poly(vinyl chloride) makes it possible to determine the tendency of colour to migrate from the leather to synthetic materials used in conjunction with the leather.

If the leather has a finish, the test may be carried out with the finish intact or broken.

The general colour fastness testing principles used are in accordance with those described in ISO 105-A01, taking into account the differences between textile substrates and leather.

4 Apparatus and materials

Normal laboratory apparatus and:

4.1 Test apparatus, in which the composite specimen can be subjected, between glass plates, to a uniform pressure of $(81,7 \pm 4,0)$ kPa using an approximately 5 kg load weight. The pressure tolerance includes a maximal supplementary mass due to the glass plates of 250 g. The construction of the test apparatus shall ensure that the pressure is constant during the whole test.