



Institut luxembourgeois de la normalisation
de l'accréditation, de la sécurité et qualité
des produits et services

ILNAS-EN 15186:2012

**Furniture - Assessment of the surface
resistance to scratching**

Möbel - Bewertung der Kratzfestigkeit
von Oberflächen

Ameublement - Evaluation de la
résistance de la surface à la rayure

04/2012



National Foreword

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English Version

Furniture - Assessment of the surface resistance to scratching

Ameublement - Evaluation de la résistance de la surface à
la rayure

Möbel - Bewertung der Kratzfestigkeit von Oberflächen

This European Standard was approved by CEN on 8 March 2012.

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Foreword

This document (EN 15186:2012) has been prepared by Technical Committee CEN/TC 207 "Furniture", 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of an identical text or by endorsement, at the latest by October 2012, and conflicting national standards shall be withdrawn at the latest by October 2012.

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 CEN/TS 15186:2005.

Regarding the significant technical changes that have been made in this new edition of EN 15186, see the informative Annex B.

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, 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.

1 Scope

This European Standard specifies a method for the assessment of the surface resistance to penetrating scratches. It relates to the rigid surfaces of all finished products, regardless of their material.

It does not apply to finishes on leather and fabrics.

Method A is suitable for all types of surface coatings and coverings except for melamine faced boards (according to EN 14322) and HPL (according to EN 438-1). It simulates measurable penetrating and/or deforming scratches.

Method B is suitable for all types of surfaces. It simulates first visible scratches that may only be a change in the gloss.

The test is intended to be carried out on a part of finished furniture. It can however be carried out on test panels of the same material, finished in an identical manner to the finished product, and of a size sufficient to meet the requirements of the test.

It is essential that the test be carried out on unused surfaces.

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.

EN ISO 1518-1, *Paint and varnishes — Determination of scratch resistance – Part 1: constant loading method (ISO 1518-1)*

3 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

3.1

test surface

part of the test panel

3.2

test panel

panel including the test surface

Note 1 to entry: The panel may be cut from a finished item of furniture or it may be a separate panel produced in the same manner as the finished item of furniture.

3.3

test area

part of the test surface under the equipment, where the measurement is carried out

3.4

scratching tip

3.4.1

method A

needle with a point of defined geometry