

ICS 97.140

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 Technical Specification (CEN/TS) was approved by CEN on 1 October 2005 for provisional application.

The period of validity of this CEN/TS is limited initially to three years. After two years the members of CEN will be requested to submit their comments, particularly on the question whether the CEN/TS can be converted into a European Standard.

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Foreword

This Technical Specification (CEN/TS 15186:2005) has been prepared by Technical Committee CEN/TC 207 "Furniture", the secretariat of which is held by UNI.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to announce this CEN Technical Specification: Austria, Belgium, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Slovakia, Slovenia, Spain, Sweden, Switzerland and United Kingdom.

1 Scope

This Technical Specification specifies a method for the assessment of the surface resistance to penetrating and distinctive scratch marks and relates to rigid surfaces of all finished products regardless of materials.

It does not apply to finishes on leather and fabrics.

The test is intended to be carried out on finished furniture, but can 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.

It is not applicable for the determination of the surface resistance to insubstantial/light scratch.

NOTE The surface resistance to insubstantial/light scratch damage can be determined using the method in EN 438-2.

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.

EN ISO 1518, *Paints and varnishes - Scratch test (ISO 1518:1992)*

3 Terms and definitions

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

3.1

test unit

finished item of furniture

3.2

test surface

part of the test unit, where the test area is included

3.3

test panel

panel produced in the same way as the test surface; it should be used when it is not possible to carry out the test directly on the test surface

3.4

test area

area under the equipment, where the measurement is carried out

3.5

test atmosphere

atmosphere where the test is carried out

3.6

scratching tip

needle with a point of defined geometry, see 5.3