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Wood flooring - Test methods to determine elasticity and resistance to wear and impact resistance

I.S. EN 13696:2009

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English Version

Wood flooring - Test methods to determine elasticity and resistance to wear and impact resistance

Planchers en bois - Méthodes d'essai pour déterminer l'élasticité et la résistance à l'abrasion et la résistance au choc

Holzfußböden - Prüfverfahren zur Bestimmung der Verformbarkeit und der Beständigkeit gegen Verschleiß und gegen Stoßbeanspruchung

This European Standard was approved by CEN on 8 November 2008.

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Foreword

This document (EN 13696:2008) has been prepared by Technical Committee CEN/TC 175 “Round and sawn timber”, the secretariat of which is held by AFNOR.

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of an identical text or by endorsement, at the latest by June 2009, and conflicting national standards shall be withdrawn at the latest by June 2009.

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1 Scope

This European Standard specifies a test method to determine the resistance to wear of lacquered wood floorings, a method to test the elasticity of the lacquer and a method to determine resistance to impact of lacquered wood floorings.

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 13756:2002, *Wood flooring – Terminology*

EN ISO 868, *Plastics and ebonite – Determination of indentation hardness by means of a durometer (Shore hardness) (ISO 868:2003)*

EN ISO 291, *Plastics – Standard atmospheres for conditioning and testing (ISO 291:2008)*

3 Terms and definitions

For the purposes of this document, the terms and definitions given in EN 13756:2002 and the following apply.

3.1

lacquer

film making agent modifying surface layer properties

NOTE It has a measurable thickness.

4 Common methods

4.1 Conditioning

4.1.1 Equipment

Enclosures with the following climatic conditions:

- climate A temperature of (20 ± 2) °C and relative humidity of (65 ± 5) %; or
- climate B temperature of (23 ± 2) °C and relative humidity of (50 ± 5) %.

4.1.2 Procedure

The manufacturer shall specify either of the conditioning climates above.

Unless otherwise specified, all equipment and materials required for the test shall be stabilised and kept in an enclosure in the climate specified.

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