



NSAI
Standards

Irish Standard
I.S. EN 13354:2009

Solid wood panels (SWP) - Bonding quality - Test method

I.S. EN 13354:2009

Incorporating amendments/corrigenda issued since publication:

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English Version

Solid wood panels (SWP) - Bonding quality - Test method

Bois panneaux (SWP) - Qualité du collage - Méthode
d'essai

Massivholzplatten (SWP) - Qualität der Verklebung -
Prüfverfahren

This European Standard was approved by CEN on 18 October 2008.

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Foreword

This document (EN 13354:2008) has been prepared by Technical Committee CEN/TC 112 "Wood-based panels", the secretariat of which is held by DIN.

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of an identical text or by endorsement, at the latest by May 2009, and conflicting national standards shall be withdrawn at the latest by May 2009.

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 13354:2003.

Compared to CEN/TS 13354:2003 the following changes have been made:

- a) deliverability changed from CEN/TS to EN;
- b) vacuum impregnation in 6.1 deleted.

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, 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 and the United Kingdom.

1 Scope

This European Standard specifies a test method for determining the bonding quality of single-layer and multi-layer solid wood panels by a shear test.

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 314-1, *Plywood — Bonding quality — Part 1: Test methods*

EN 326-1, *Wood-based panels — Sampling, cutting and inspection — Part 1: Sampling and cutting of test pieces and expression of test results*

EN 1995-1-1, *Eurocode 5 — Design of timber structures — Part 1-1: General — Common rules and rules for buildings*

EN 13353, *Solid wood panels (SWP) — Requirements*

3 Principle

Test pieces of single and multi-layer solid wood panels are subjected to a pre-treatment, according to the service class as defined in EN 1995-1-1, and then strained to failure by a compressive shear force. The shear strength is calculated and the cohesive wood failure of the shear area is determined.

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