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English version

Solid wood panels - Bonding quality - Test method

Massivholzplatten - Qualität der Verklebung - Prüfverfahren

This Technical Specification (CEN/TS) was approved by CEN on 31 February 2003 for provisional application.

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Contents

1	Scope.....	3
2	Normative references	4
3	Principle	4
4	Test pieces.....	5
4.1	Sampling	5
4.2	Form and dimensions of test pieces.....	6
5	Apparatus.....	7
6	Pretreatment of test pieces	8
6.1	General	8
6.2	Type and duration of pretreatment.....	8
7	Testing procedure.....	9
8	Calculation and expression of results	9
9	Test report.....	10

Foreword

This document (CEN/TS 13354:2003) has been prepared by Technical Committee CEN/TC 112 "Wood-based panels", the secretariat of which is held by DIN.

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

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1 Scope

This Technical Specification 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

This Technical Specification incorporates by dated or undated reference, provisions from other publications. These normative references are cited at the appropriate places in the text and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of any of these publications apply to this Technical Specification, only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies (including amendments).

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 350-2, *Durability of wood and wood-based products — Natural durability of solid wood — Part 2: Guide to natural durability and treatability of selected wood species of importance in Europe.*

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

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

3 Principle

Test pieces of single and multi-layer solid wood panels are subjected to a pretreatment, according to the service class as defined in ENV 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.