EESTI STANDARD

EVS-EN 14293:2006

Adhesives - Adhesives for bonding parquet to subfloor - Test methods and minimum requirements

Adhesives - Adhesives for bonding parquet to subfloor - Test methods and minimum requirements

This document is a preview generated by EVS

EESTI STANDARDIKESKUS

EESTI STANDARDI EESSÕNA	NATIONAL FOREWORD
Käesolev Eesti standard EVS-EN 14293:2006 sisaldab Euroopa standardi EN 14293:2006 ingliskeelset teksti. Käesolev dokument on jõustatud 20.09.2006 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes. Standard on kättesaadav Eesti standardiorganisatsioonist.	This Estonian standard EVS-EN 14293:2006 consists of the English text of the European standard EN 14293:2006. This document is endorsed on 20.09.2006 with the notification being published in the official publication of the Estonian national standardisation organisation. The standard is available from Estonian standardisation organisation.

Käsitlusala: This European Standard specifies test methods for adhesives for bonding parquet and similar wood floorings to a subfloor. It also specifies the minimum requirements for shear strength and tensile strength to be achieved with these adhesives, as well as a method for determining the open time. there are two different test methods and different minimum requirements for determing the shear strength for hard and soft adhesives. This Standard does not refer to the selection and installation of parquet floorings.	**Scope:** This European Standard specifies test methods for adhesives for bonding parquet and similar wood floorings to a subfloor. It also specifies the minimum requirements for shear strength and tensile strength to be achieved with these adhesives, as well as a method for determining the open time. there are two different test methods and different minimum requirements for determing the shear strength for hard and soft adhesives. This Standard does not refer to the selection and installation of parquet floorings.

ICS 83.180

Võtmesõnad: parquet adhesive, parquet panel flooring, processing, properties, safety, specification (approval), specifications, tensile strength, tension-shear strength, testing, waiting periods, wood technology, woodbased sheet materials, wooden boards, woodworking industry

The document is generated by EVS

Eesti Standardikeskusele kuulub standardite reprodutseerimis- ja levitamisõigus

EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

EN 14293

August 2006

ICS 83.180

English Version

Adhesives - Adhesives for bonding parquet to subfloor - Test methods and minimum requirements

Adhésifs - Adhésifs pour le collage de parquet au sol - Méthodes d'essai et exigences minimales en matière de résistance au cisaillement et à la traction

Klebstoffe - Klebstoffe für das Kleben von Parkett auf einen Untergrund - Prüfverfahren und Mindestanforderungen

This European Standard was approved by CEN on 30 June 2006.

CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration. Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the Central Secretariat or to any CEN member.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the Central Secretariat has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, 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 United Kingdom.

EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

Management Centre: rue de Stassart, 36 B-1050 Brussels

© 2006 CEN All rights of exploitation in any form and by any means reserved worldwide for CEN national Members.

Ref. No. EN 14293:2006: E

This document is a preview generated by EVS

Contents

Page

Foreword 3
1 Scope 4
2 Normative references 4
3 Terms and definitions 4
4 Test methods- procedures 4
4.1 Sampling and test conditions 4
4.2 Test method for the determination of the rib height after a certain time 5
4.2.1 Principle 5
4.2.2 Material 5
4.2.3 Apparatus 5
4.2.4 Test procedure and evaluation of test results 6
4.3 Test method for determining shear strength 7
4.3.1 Principle 7
4.3.2 Material 7
4.3.3 Apparatus 7
4.3.4 Preparation of test specimens 8
4.3.5 Test procedure and evaluation of test results 8
4.4 Test method for the determination of tensile strength 8
4.4.1 Principle 8
4.4.2 Material 9
4.4.3 Apparatus 9
4.4.4 Preparation of test specimens 9
4.4.5 Test procedure 9
4.4.6 Evaluation and expression of test results 10
4.5 Test method for determining maximum open time by measuring shear strength 10
4.5.1 Principle 10
4.5.2 Material 11
4.5.3 Apparatus 11
4.5.4 Preparation of test specimen 11
4.5.5 Test procedure and evaluation of test results 11
4.6 Test method for determining maximum open time by measuring tensile strength 12
4.6.1 Principle 12
4.6.2 Material 12
4.6.3 Apparatus 12
4.6.4 Preparation of test specimen 12
4.6.5 Test procedure and evaluation of test results 12
4.7 Test method for determining shear strength of soft adhesives 13
4.7.1 Principle 13
4.7.2 Material 14
4.7.3 Apparatus 14
4.7.4 Preparation of test specimens 14
4.7.5 Test procedure and evaluation of test results 15
5 Test report 16
6 Minimum requirements 16

This document is a preview generated by EVS

Foreword

This document (EN 14293:2006) has been prepared by Technical Committee CEN/TC 193 “Adhesives”, the secretariat of which is held by AENOR.

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 February 2007, and conflicting national standards shall be withdrawn at the latest by February 2007.

SAFETY STATEMENT

Persons using this document should be familiar with the normal laboratory practice, in principle. This document does not purport to address all of the safety problems, if any, associated with its use. It is the responsibility of the user to establish appropriate safety and health practices and to ensure compliance with any regulatory conditions.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, 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 United Kingdom.

This document is a preview generated by EVS

1 Scope

This European Standard specifies test methods for adhesives for bonding parquet and similar wood floorings to a subfloor. It also specifies the minimum requirements for shear strength and tensile strength to be achieved with these adhesives, as well as a method for determining the open time. there are two different test methods and different minimum requirements for determing the shear strength for hard and soft adhesives.

This Standard does not refer to the selection and installation of parquet floorings.

2 Normative references

The following referenced documents are indispensable for the application of this European Standard. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

EN 923:2005, *Adhesives — Terms and definitions*

EN 1067, *Adhesives — Examination and preparation of samples for testing*

EN 1323, *Adhesives for tiles — Concrete slab for test*

EN 13488, *Wood flooring — Mosaic parquet elements*

EN ISO 10365, *Adhesives — Designation of main failure patterns (ISO 10365:1992)*

EN ISO 15605, *Adhesives — Sampling (ISO 15605:2000)*

ISO 554*, Standard atmospheres for conditioning and/or testing — Specifications*

3 Terms and definitions

For the purposes of this European Standard, the terms and definitions given in EN 923:2005 and the following apply.

3.1
hard adhesives
adhesives which show a shear elongation factor of less than 2

3.2
soft adhesives
adhesives which show a shear elongation factor of 2 or more

3.3
shear elongation
deformation of the unit thickness of an adhesive under a shear force

4 Test methods- procedures

4.1 Sampling and test conditions

Take the adhesive sample to be tested in accordance with EN ISO 15605 and examine and prepare it for testing in accordance with EN 1067.

This document is a preview generated by EVS