Adhesives for non-structural wood applications - Test method and requirements for resistance to static load

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EESTI STANDARDI EESSÕNA **NATIONAL FOREWORD**

Käesolev Eesti standard EVS-EN 14256:2007 sisaldab Euroopa standardi EN 14256:2007 ingliskeelset teksti. Käesolev dokument on jõustatud 30.10.2007 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes. Standard on kättesaadav Eesti standardiorganisatsioonist.	This Estonian standard EVS-EN 14256:2007 consists of the English text of the European standard EN 14256:2007. This document is endorsed on 30.10.2007 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 a method for determining the ability of a test piece bonded with a thermoplastic adhesive, to support a given load for a specified time without fracture or excessive distortion, and specifies performance requirements for mean survival time. It should be used in conjunction with EN 204 and EN 205, which describe durability classes and corresponding test methods for non-structural wood adhesives based on their ability to withstand various water treatments and relatively rapidly applied loads. The test described in this standard may be used to assess joints made with thin glue line, as defined in EN 205.	**Scope:** This European Standard specifies a method for determining the ability of a test piece bonded with a thermoplastic adhesive, to support a given load for a specified time without fracture or excessive distortion, and specifies performance requirements for mean survival time. It should be used in conjunction with EN 204 and EN 205, which describe durability classes and corresponding test methods for non-structural wood adhesives based on their ability to withstand various water treatments and relatively rapidly applied loads. The test described in this standard may be used to assess joints made with thin glue line, as defined in EN 205.

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Võtmesõnad: endurance testing, fatigue tests, non-load bearing, permanent load, resistance, rigidity, static loading, strain, strength tests, tensile testing, test atmospheres, testing, thermoplastic, wood, wood glue, wood products, woodbased sheet materials, wooden boards

EUROPEAN STANDARD

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Adhesives for non-structural wood applications - Test method and requirements for resistance to static load

Adhésifs pour bois à usages non structuraux - Méthode d'essai et exigences pour la résistance à la charge statique

Holzklebstoffe für nicht tragende Anwendungen - Prüfverfahren und Anforderungen an die Beständigkeit gegen statische Belastung

This European Standard was approved by CEN on 23 June 2007.

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

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Foreword

This document (EN 14256:2007) 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 2008, and conflicting national standards shall be withdrawn at the latest by February 2008.

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 United Kingdom.

Safety statement

Persons using this document should be familiar with the normal laboratory practice, if applicable. 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.

1 Scope

This European Standard specifies a method for determining the ability of a test piece bonded with a thermoplastic adhesive, to support a given load for a specified time without fracture or excessive distortion, and specifies performance requirements for mean survival time.

It should be used in conjunction with EN 204 and EN 205, which describe durability classes and corresponding test methods for non-structural wood adhesives based on their ability to withstand various water treatments and relatively rapidly applied loads. The test described in this standard may be used to assess joints made with thin glue line, as defined in EN 205.

NOTE The test described in this standard is not a mandatory requirement for the classification of adhesives into the classes D1, D2, D3 and D4 given in EN 204. It is an additional test that can be specified by a purchaser if required.

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 205:2003, *Adhesives - Wood adhesives for non-structural applications - Determination of tensile shear strength of lap joints*

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

EN 13183-1, *Moisture content of a piece of sawn timber - Part 1: Determination by oven dry method*

EN 13183-2, *Moisture content of a piece of sawn timber - Part 2: Estimation by electrical resistance method*

3 Terms and definitions

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

4 Principle

A number of test pieces, each incorporating a symmetrical single lap joint between two rectangular wooden adherents, is placed in a jig in a climatically controlled environment. A weight is suspended from the jig applying a constant shear force to each joint for a period of 21 d. The time after which any joint fails is reported.