

**Classification of thermoplastic wood adhesives
for non-structural applications**

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

Käesolev Eesti standard EVS-EN 204:2002 sisaldab Euroopa standardi EN 204:2001 ingliskeelset teksti.

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English version

Classification of thermoplastic wood adhesives
for non-structural applications

Classification des colles pour bois
thermoplastiques à usages non
structuraux

Klassifizierung von thermoplastischen
Holzklebstoffen für nichttragende
Anwendungen

This European Standard was approved by CEN on 2001-04-19.

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 Management Centre or to any CEN member.

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CEN

European Committee for Standardization
Comité Européen de Normalisation
Europäisches Komitee für Normung

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Foreword

This European Standard 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a national standard, either by publication of an identical text or by endorsement, and conflicting national standards withdrawn, by November 2001 at the latest.

In accordance with the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard:

Austria, Belgium, the Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, the Netherlands, Norway, Portugal, Spain, Sweden, Switzerland, and the United Kingdom.

Introduction

European Standards giving a common classification with respect to durability classes for wood adhesives will allow considerable improvement in consumer protection in any future product liability system with regard to properties guaranteed by the adhesive manufacturer.

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1 Scope

This European Standard classifies thermoplastic resin based wood adhesives for non-structural applications into durability classes D1 to D4 based on the dry and wet strengths of bond-lines measured under specified conditions after various conditioning treatments.

For special applications, further tests that do not fall within the scope of this standard may be applicable.

The adhesives described in this standard are suitable for the bonding of furniture and interior structures, panelling, doors, windows, stairs etc made of wood or derived timber products.

This standard does not define the temperature resistance of bond-lines

NOTE Thermoplastic resin are described in EN 923 as: polymer or copolymer, capable of being softened by heating and hardened by cooling.

2 Normative references

This European Standard 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 European Standard only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies (including amendments).

EN 205	Test methods for wood adhesives for non-structural applications — Determination of tensile shear strength of lap joints
EN 923	Adhesives — Terms and definitions

3 Terms and definitions

For the purposes of this European standard the terms and definitions given in EN 923 and the following definition apply.

3.1

thermoplastic wood adhesive

adhesive whose main constituent is a thermoplastic resin and which has been formulated for bonding wood

4 Classification

An adhesive shall be classified in accordance with Table 1, which gives examples of climatic conditions and fields of application in which the bonded member is to be used. The classification shall be based on tests on thin bond-lines except when gap-filling properties are claimed, in which case it shall be based on tests using both thin and thick bond-lines as defined in EN 205.