

BS EN 301:2013



BSI Standards Publication

Adhesives, phenolic and aminoplastic, for load- bearing timber structures — Classification and performance requirements

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National foreword

This British Standard is the UK implementation of EN 301:2013. It supersedes BS EN 301:2006 which is withdrawn.

The UK participation in its preparation was entrusted to Technical Committee PRI/52, Adhesives.

A list of organizations represented on this committee can be obtained on request to its secretary.

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EN 301

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Supersedes EN 301:2006

English Version

**Adhesives, phenolic and aminoplastic, for load-bearing timber
structures - Classification and performance requirements**

Adhésifs de nature phénolique et aminoplaste, pour
structures portantes en bois - Classification et exigences de
performance

Klebstoffe, Phenoplaste und Aminoplaste, für tragende
Holzbauteile - Klassifizierung und Leistungsanforderungen

This European Standard was approved by CEN on 19 July 2013.

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Foreword

This document (EN 301:2013) 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of an identical text or by endorsement, at the latest by April 2014, and conflicting national standards shall be withdrawn at the latest by April 2014.

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 EN 301:2006.

Compared to EN 301:2006 the following changes have been made:

- a) three subclasses for adhesives have been added: for general purpose, for finger jointing and for gap filling purpose;
- b) further classification of adhesives according to temperature resistance and for mixed and separate application of adhesive and hardener specified;
- c) application of Type II adhesives limited to service class 1;
- d) provisions for small modifications of already approved adhesives;
- e) requirements for thick glue line in the range of 0,3 mm to 2,0 mm;
- f) provisions for delamination tests of hardwood added;
- g) pH value for performance of fibre damage test reduced;
- h) additional tests for static loads and for separate application of finger joint adhesives.

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, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

Introduction

This document is one of a series of standards dealing with phenolic and aminoplastic adhesives for use with timber structures, and is published in support of product standards for load-bearing timber structures in connection with EN 1995-1-1 *Eurocode 5: Design of timber structures – Part 1-1: General – Common rules and rules for buildings*. The series consists of one standard for classification and performance requirements (EN 301), five test methods (EN 302, Parts 1 to 4 and EN 15416-2) used to assess the performance of adhesives after specified heat and humidity treatments, and three test methods (EN 302, Parts 5 to 7) to characterise the working properties of the adhesive.

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.

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