



BSI Standards Publication

Wood-based panels — Determination of performance characteristics for load bearing panels for use in floors, roofs and walls

National foreword

This British Standard is the UK implementation of EN 12871:2013. It supersedes BS EN 12871:2010 which is withdrawn.

Whilst evaluating the compliance of wood or wood-based floor or roof decking (domestic and non-domestic), in accordance with the procedure in Clause 6, and taking into account the requirements for concentrated load given in the National Annex to EN 1991-1-1, the UK committee has given the following recommendations:

1. Floor decking in ground floors and in intermediate floors should be assigned to service class 1.
2. Roof decking should be assigned to service class 1 or 2 where appropriate.
3. Roof decking may be considered as short term loading where access is limited.
4. The partial factor Y_Q may be taken as 1.35 (utilising K_{FI} of 0.9 given in Annex B of EN 1990 for Reliability Class RC1) for both floors and roofs.
5. The reduction factor K_{red} as defined in Annex B (B.2.3) of this standard should be set at 0.89.
6. In the UK there is no codified deflection limit for panels spanning between joists, therefore the example limits in equations B.2 and B.3 in Annex B (informative) are not relevant.

The UK participation in its preparation was entrusted to Technical Committee B/541, Wood based panels.

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

This publication does not purport to include all the necessary provisions of a contract. Users are responsible for its correct application.

© The British Standards Institution 2013.
Published by BSI Standards Limited 2013

ISBN 978 0 580 76809 5

ICS 79.060.01

Compliance with a British Standard cannot confer immunity from legal obligations.

This British Standard was published under the authority of the Standards Policy and Strategy Committee on 30 September 2013.

Amendments/corrigenda issued since publication

Date	Text affected
------	---------------

EUROPEAN STANDARD

EN 12871

NORME EUROPÉENNE

EUROPÄISCHE NORM

June 2013

ICS 79.060.01

English Version

Wood-based panels - Determination of performance characteristics for load bearing panels for use in floors, roofs and walls

Panneaux à base de bois - Détermination des caractéristiques de performance des panneaux travaillants utilisés en planchers, toitures et murs

Holzwerkstoffe - Bestimmung der Leistungseigenschaften für tragende Platten zur Verwendung in Fußböden, Wänden und Dächern

This European Standard was approved by CEN on 1 May 2013.

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 CEN-CENELEC Management Centre 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 CEN-CENELEC Management Centre has the same status as the official versions.

CEN members are the national standards bodies of 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 United Kingdom.



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

Management Centre: Avenue Marnix 17, B-1000 Brussels