
**Wood-based panels — Wet-process
fibreboard —**

**Part 2:
Requirements**

*Panneaux à base de bois — Panneau de fibres obtenu par procédé
humide —*

Partie 2: Spécifications



PDF disclaimer

This PDF file may contain embedded typefaces. In accordance with Adobe's licensing policy, this file may be printed or viewed but shall not be edited unless the typefaces which are embedded are licensed to and installed on the computer performing the editing. In downloading this file, parties accept therein the responsibility of not infringing Adobe's licensing policy. The ISO Central Secretariat accepts no liability in this area.

Adobe is a trademark of Adobe Systems Incorporated.

Details of the software products used to create this PDF file can be found in the General Info relative to the file; the PDF-creation parameters were optimized for printing. Every care has been taken to ensure that the file is suitable for use by ISO member bodies. In the unlikely event that a problem relating to it is found, please inform the Central Secretariat at the address given below.

This document is a preview generated by EVS



COPYRIGHT PROTECTED DOCUMENT

© ISO 2009

All rights reserved. Unless otherwise specified, no part of this publication may be reproduced or utilized in any form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from either ISO at the address below or ISO's member body in the country of the requester.

ISO copyright office
Case postale 56 • CH-1211 Geneva 20
Tel. + 41 22 749 01 11
Fax + 41 22 749 09 47
E-mail copyright@iso.org
Web www.iso.org

Published in Switzerland

Contents

Page

Foreword.....	iv
1 Scope	1
2 Normative references	1
3 Terms and definitions.....	2
4 Expression of specification limits and general requirements	2
4.1 Expression of specification limits.....	2
4.2 Lower specification limits.....	2
4.3 Upper specification limits	2
4.4 Density variation, dimension and moisture content requirements	3
5 Requirements for softboards	3
5.1 Requirements for general purpose softboard for use in dry conditions	3
5.2 Requirements for general purpose softboard for use in humid conditions	4
5.3 Requirements for general purpose softboard for use in high-humidity conditions	4
5.4 Requirements for general purpose softboard for use in exterior conditions	4
5.5 Requirements for load-bearing softboard for use in dry conditions	5
5.6 Requirements for load-bearing softboard for use in humid conditions	5
6 Requirements for hardboards	5
6.1 Requirements for general purpose hardboard for use in dry conditions	5
6.2 Requirements for general purpose hardboard for use in humid conditions	6
6.3 Requirements for general purpose hardboard for use in high-humidity conditions	6
6.4 Requirements for general purpose hardboard for use in exterior conditions	7
6.5 Requirements for load-bearing hardboard for use in dry conditions	7
6.6 Requirements for load-bearing hardboard for use in humid conditions	8
Annex A (normative) Calculation of 5-percentile and 95-percentile values.....	9
Bibliography	11

Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 2.

The main task of technical committees is to prepare International Standards. Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights.

ISO 27769-2 was prepared by Technical Committee ISO/TC 89, *Wood-based panels*, Subcommittee SC 1, *Fibre boards*.

ISO 27769 consists of the following parts, under the general title *Wood-based panels — Wet-process fibreboard*:

- *Part 1: Classifications*
- *Part 2: Requirements*

Wood-based panels — Wet-process fibreboard —

Part 2: Requirements

1 Scope

This part of ISO 27769 specifies the manufacturing property requirements for wet-process fibreboard.

NOTE The values listed in this part of ISO 27769 relate to product properties used to classify fibreboards into one of the different types. The values are not characteristic values to be used for design purposes. When fibreboard is classified as load-bearing and nominated for structural applications, characteristic strength and stiffness values are established based upon testing in accordance with ISO 16572 or equivalent ASTM or EN Standards. Alternatively, for specific load-bearing applications (e.g. walls, roofs, floors and I-joist webs), the load-bearing fibreboard would meet the specific performance requirements for that intended application.

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.

ISO 9426, *Wood-based panels — Determination of dimensions of panels*

ISO 9427, *Wood-based panels — Determination of density*

ISO 16978, *Wood-based panels — Determination of modulus of elasticity in bending and of bending strength*

ISO 16979, *Wood-based panels — Determination of moisture content*

ISO 16983, *Wood-based panels — Determination of swelling in thickness after immersion in water*

ISO 16984, *Wood-based panels — Determination of tensile strength perpendicular to the plane of the panel*

ISO 16998, *Wood-based panels — Determination of moisture resistance — Boil test*

ISO 17064, *Wood-based panels — Fibreboard, particleboard and oriented strand board (OSB) — Vocabulary*

ISO 20585, *Wood-based panels — Determination of wet bending strength after immersion in water at 70 °C or 100 °C (boiling temperature)*

ISO 27769-1:—¹⁾, *Wood-based panels — Wet-process fibreboard — Part 1: Classifications*

1) To be published.