
Fibre-cement flat sheets — Product specification and test methods

*Plaques planes en fibres-ciment — Spécification des produits et
méthodes d'essai*





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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.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular, the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

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Any trade name used in this document is information given for the convenience of users and does not constitute an endorsement.

For an explanation on the voluntary nature of standards, the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT), see the following URL: www.iso.org/iso/foreword.html.

This document was prepared by Technical Committee ISO/TC 77, *Products in fibre reinforced cement*.

This third edition cancels and replaces the second edition (ISO 8336:2009), which has been technically revised.

Introduction

The purpose of this document is to provide manufacturers and purchasers with uniform requirements for fibre-cement flat sheet products. These requirements are performance-based and have been specified with the objective of ensuring product quality, industry efficiency and the performance of the product in service.

ISO/TC 77 aims to harmonize this document, where possible, with other national fibre-cement standards (CEN, ASTM and JIS) to facilitate and promote uniform performance benchmarks for the global use of fibre-cement products.

Fibre-cement flat sheets — Product specification and test methods

1 Scope

This document specifies methods for the inspection and testing of fibre-cement flat sheets and provides the acceptance conditions for their use in one or more of the following applications:

- external wall and ceiling finishes;
- internal wall and ceiling finishes;
- internal and external backing sheets.

Products covered by this document can be used for other purposes, provided they comply with the appropriate national or international application code or standard.

NOTE 1 This document does not apply to sheets for fire protection purposes.

NOTE 2 This document does not include calculations for installation design requirements, wind uplift or water proofing of the installed sheets.

NOTE 3 This document does not apply to the following products:

- boards of Portland or equivalent cement reinforced with fibrous wood particles;
- fibre-reinforced boards of calcium silicate or cement for thermal insulation or fire protection;
- sheets containing asbestos fibre reinforcement;
- sheets containing steel fibre reinforcement;
- fibre-cement roofing slates.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements 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 390, *Products in fibre-reinforced cement — Sampling and inspection*

ISO 12572, *Hygrothermal performance of building materials and products — Determination of water vapour transmission properties — Cup method*

ISO 13787, *Thermal insulation products for building equipment and industrial installations — Determination of declared thermal conductivity*

ANSI A118.1, *Specification for Dry-Set Portland Cement Mortar*

ANSI A118.4, *Specification for Latex-Portland Cement Mortar*

ANSI A136.1, *Organic Adhesives for Installation of Ceramic Tile*

ASTM G21:2015, *Standard Practice for determining Resistance of Synthetic Polymeric Materials to Fungi*

ASTM D1037, *Standard Test Methods for Evaluating Properties of Wood-Base Fiber and Particle Panel Materials*