

# JAPANESE INDUSTRIAL STANDARD

Translated and Published by Japanese Standards Association

 $JIS\ A\ 5441:2023$ 

(ECP/JSA)

**Extruded cement panel** 

**ICS** 91.060.10; 91.100.40

Reference number: JIS A 5441: 2023 (E)

A 5441: 2023

Date of Establishment: 2003-06-20

Date of Revision: 2023-03-20

Date of Public Notice in Official Gazette: 2023-03-20

Investigated by: Japanese Industrial Standards Committee

Standards Board for ISO area

Technical Committee on Architecture

JIS A 5441: 2023, First English edition published in 2023-08

Translated and published by: Japanese Standards Association Mita MT Building, 3-13-12, Mita, Minato-ku, Tokyo, 108-0073 JAPAN

In the event of any doubts arising as to the contents, the original JIS is to be the final authority.

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Printed in Japan HN

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#### **Foreword**

This Japanese Industrial Standard has been revised by the Minister of Economy, Trade and Industry through deliberations at the Japanese Industrial Standards Committee as the result of proposal for revision of Japanese Industrial Standard submitted by Extruded Cement Panel Association (ECP)/Japanese Standards Association (JSA) with a draft being attached, based on the provision of Article 12, paragraph (1) of the Industrial Standardization Act applied mutatis mutandis pursuant to the provision of Article 16 of the said Act. This edition replaces the previous edition (JIS A 5441: 2003), which has been technically revised.

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## Extruded cement panel

JIS A 5441: 2023

#### 1 Scope

This Japanese Industrial Standard specifies requirements for extruded cement panels (hereafter referred to as ECP) mainly applied to non-proof-stress external walls and partition walls of buildings, which are manufactured by extruding the main materials of cement, siliceous material and fibrous material into a plate with hollow parts inside, and then autoclave-curing it.

#### 2 Normative references

Part or all of the provisions of the following standards, through reference in this text, constitute provisions of this Standard. The most recent editions of the standards (including amendments) indicated below shall be applied.

- JIS A 1321 Testing method for incombustibility of internal finish material and procedure of buildings
- JIS A 1414-2 Performance test methods of panel components for building construction Part 2: Tests for mechanical properties
- JIS A 1435 Method of test for resistance of exterior materials of buildings to freezing and thawing
- JIS A 5758 Sealants for sealing and glazing in buildings
- JIS A 9504 Man made mineral fibre thermal insulation materials
- JIS B 7507 Geometrical product specifications (GPS) Dimensional measuring equipment Vernier, dial and digital callipers
- JIS B 7512 Steel tape measures
- JIS B 7516 Metal rules

#### 3 Terms and definitions

For the purpose of this Standard, the following terms and definitions apply.

3.1

#### fibrous material

pulp, glass fibre or the like

Note 1 to entry Fibrous material shall not include asbestos.

3.2

#### extrusion moulding

moulding method in which material is continuously extruded into a plate through a