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Extruded cement panel

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Foreword

This translation has been made based on the original Japanese Industrial Standard established by the Minister of Economy, Trade and Industry through deliberations at the Japanese Industrial Standards Committee according to the proposal for establishment of Japanese Industrial Standard submitted by Federation of Construction Material Industries, Japan (FECMI) with the draft being attached, based on the provision of Article 12 Clause 1 of the Industrial Standardization Law.

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Extruded cement panel

Introduction

This Japanese Industrial Standard specifies the classification, quality, test methods and other matters of the extruded cement panels mainly used for the external walls and partition walls of middle and high rise steel framed buildings. The extruded cement panel is a panel mainly composed of cement, siliceous material and fibrous material, which is manufactured by extruding the said materials into a plate with hollow parts inside, and then autoclave-curing it. This Standard has been prepared to clearly specify the standard quality requirements of extruded cement panels, regarding mechanical performance such as flexural strength, and water resistance, durability and incombustibility, so as to facilitate the users' choice.

1 Scope

This Standard specifies the 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

The following standards contain provisions which, 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 *Methods of performance test of panels for building construction*

JIS A 1435 *Test methods for frost resistance of exterior wall materials of buildings (Freezing and thawing method)*

JIS B 7512 *Steel tape measures*

JIS B 7516 *Metal rules*

JIS K 1464 *Desiccants, activated for industrial dehumidification*

JIS K 8123 *Calcium chloride (Reagent)*

JIS Z 8401 *Guide to the rounding of numbers*

JIS Z 8703 *Standard atmospheric conditions for testing*

3 Definitions

The definitions of main terms used in this Standard shall be as follows.