

JIS

JAPANESE
INDUSTRIAL
STANDARD

Translated and Published by
Japanese Standards Association

JIS A 9510 : 2016

(JTIA/JSA)

**Inorganic porous thermal insulation
materials**

ICS 91.100.60;91.120.10

Reference number : **JIS A 9510 : 2016 (E)**

A 9510 : 2016

Date of Establishment: 1955-03-22

Date of Revision: 2016-08-22

Date of Public Notice in Official Gazette: 2016-08-22

Investigated by: Japanese Industrial Standards Committee
Standards Board for ISO area
Technical Committee on Architecture

JIS A 9510:2016, First English edition published in 2016-12

Translated and published by: Japanese Standards Association
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Printed in Japan

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Foreword

This translation has been made based on the original Japanese Industrial Standard 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 Japan Thermal Insulation Association (JTIA)/Japanese Standards Association (JSA) with the draft being attached, based on the provision of Article 12 Clause 1 of the Industrial Standardization Law applicable to the case of revision by the provision of Article 14.

Consequently **JIS A 9510:2009** is replaced with this Standard.

However, **JIS A 9510:2009** may be applied in the **JIS** mark certification based on the relevant provisions of Article 19 Clause 1, etc. of the Industrial Standardization Law until August 21, 2017.

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Inorganic porous thermal insulation materials

1 Scope

This Japanese Industrial Standard specifies inorganic porous thermal insulation boards (hereafter referred to as “board insulation”) and inorganic porous thermal insulation pipes (hereafter referred to as “pipe insulation”) used for thermal insulation materials.

This Standard specifies board insulation and pipe insulation that do not use the materials emitting formaldehyde such as urea resin, melamine resin, phenol resin, resorcinol resin and formaldehyde system antiseptics.

The comparison table between previous and current editions of this Standard on technically significant revisions is given in Annex A.

NOTE : The symbol for the product that do not use the materials emitting formaldehyde is F☆☆☆☆.

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 0202 *Thermal insulation—Vocabulary*

JIS A 1412-1 *Test method for thermal resistance and related properties of thermal insulations—Part 1: Guarded hot plate apparatus*

JIS A 1412-2 *Test method for thermal resistance and related properties of thermal insulations—Part 2: Heat flow meter apparatus*

JIS C 1602 *Thermocouples*

JIS G 3452 *Carbon steel pipes for ordinary piping*

JIS Z 8703 *Standard atmospheric conditions for testing*

3 Terms and definitions

For the purpose of this Standard, the terms and definitions given in **JIS A 0202**, and the following apply.

3.1 inorganic porous thermal insulation material

generic term for calcium silicate thermal insulation and water repellent perlite thermal insulation

3.2 calcium silicate thermal insulation

insulation material comprised of calcium silicate, calcareous material and calcium silicate hydrate mixed with fibre as reinforced material obtaining water repellent performance by adding water repellent agent