

# JIS

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**Determination of the emission of  
volatile organic compounds and  
aldehydes by building products—  
Sampling, preparation of test  
specimens and testing condition—  
Part 4: Heat-insulating material  
boards**

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## Contents

	Page
Introduction.....	1
1 Scope.....	1
2 Normative references .....	1
3 Terms and definitions .....	2
4 Sampling, and packaging and storage of samples.....	2
4.1 Site of sampling .....	2
4.2 Timing for sampling.....	2
4.3 Sampling procedure and quantity of samples taken.....	2
4.4 Identification of samples .....	3
4.5 Packaging of samples .....	3
4.6 Storage of samples .....	3
5 Preparation of test specimens .....	3
5.1 Timing for preparation of test specimens.....	3
5.2 Preparation of test specimens .....	3
5.3 Quantity of test specimens to be prepared.....	4
5.4 Packaging of test specimens .....	4
5.5 Storage of test specimens .....	5
5.6 Period of preparation of test specimens.....	5
5.7 Environment of test specimen preparation .....	5
5.8 Storage of sample prior to starting the testing .....	5
6 Sealing of test specimens .....	5
7 Test conditions .....	6
8 Installation of test specimens.....	6
9 Test method.....	6
10 Test report .....	7
Annex A (informative) Comparison table between previous and current editions of this Standard on technically significant revisions .....	8

## 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 in accordance with the Industrial Standardization Law.

Consequently **JIS A 1902-4:2006** is replaced with this Standard.

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**JIS A 1902** series consists of the following 4 parts under the general title “*Determination of the emission of volatile organic compounds and aldehydes by building products—Sampling, preparation of test specimens and testing condition*”:

*Part 1: Boards, wallpaper and floor materials*

*Part 2: Adhesives*

*Part 3: Paints and coating materials*

*Part 4: Heat-insulating material boards*

# Determination of the emission of volatile organic compounds and aldehydes by building products—Sampling, preparation of test specimens and testing condition— Part 4: Heat-insulating material boards

## Introduction

This Japanese Industrial Standard specifies practical testing conditions and other requirements for boards for building products, which correspond to the test method provisions given in **JIS A 1901** (hereafter referred to as “the small chamber method”).

This Standard was established in 2006 and the revision at this time has been made to ensure that this Standard, together with the small chamber method, can be used to speed up the process of incorporating the performance requirements regarding emissions of volatile organic compounds (hereafter referred to as “VOC”), formaldehyde and other carbonyl compounds into individual building products standards. The comparison table between previous and current editions of this Standard on technically significant revisions is given in Annex A.

No corresponding International Standard has been established at this point.

## 1 Scope

This Standard specifies, among requirements for determination of emission factor of VOC, formaldehyde and other carbonyl compounds from heat-insulating materials used as building material using the small chamber method, those influencing the emission, such as sampling, preparation of test specimens and test conditions.

## 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 1901 *Determination of the emission of volatile organic compounds and aldehydes by building products—Small chamber method*

JIS A 6301 *Sound absorbing materials*

JIS A 9504 *Man made mineral fibre thermal insulation materials*

JIS A 9511 *Preformed cellular plastics thermal insulation materials*

JIS A 9521 *Thermal insulation materials for buildings*

JIS A 9523 *Loose fill thermal insulation*

JIS A 9526 *Spray-applied rigid polyurethane foam for thermal insulation*

JIS Z 8703 *Standard atmospheric conditions for testing*