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JIS A 1905-2 : 2015

Performance test of sorptive building materials on reducing indoor air pollution with small chamber—Part 2: Measurement of capability for suppressing formaldehyde emission

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

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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 in accordance with the Industrial Standardization Law.

Consequently **JIS A 1905-2**:2007 is replaced with this Standard.

Attention is drawn to the possibility that some parts of this Standard may conflict with patent rights, applications for a patent after opening to the public or utility model rights. The relevant Minister and the Japanese Industrial Standards Committee are not responsible for identifying any of such patent rights, applications for a patent after opening to the public or utility model rights.

JIS A 1905 series consists of the following 2 parts under the general title "*Performance test of sorptive building materials of reducing indoor air pollution with small chamber*":

Part 1: Measurement of adsorption flux with supplying constant concentration of formaldehyde

Part 2: Measurement of capability for suppressing formaldehyde emission

Performance test of sorptive building materials of reducing indoor air pollution with small chamber— Part 2: Measurement of capability for suppressing formaldehyde emission

Introduction

This Japanese Industrial Standard was established in 2007. The purpose of this revision is to re-establish consistency with a closely related standard, **JIS A 1905-1**, which has been revised to harmonize with the corresponding **ISO** Standard (originally established based on **JIS A 1905-1**) and also to correspond to revisions and establishments of other related standards for ensuring overall consistency. 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 a general laboratory test method for evaluating the concentration reduction performance of sorptive building materials via sorption or decomposition of formaldehyde in the indoor air of a building using the chamber specified in **JIS A 1901**. The method specified in this Standard employs formaldehyde emission material to determine the sorption flux.

It is applicable to building boards, wallpapers, floor materials and coating materials, and not applicable to materials capable of decomposing formaldehyde by catalytic reaction in the presence of ultraviolet and visible rays.

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 1902-1 *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*

JIS A 1902-2 *Determination of the emission of volatile organic compounds and aldehydes by building products—Sampling, preparation of test specimens and testing condition—Part 2: Adhesives*

JIS A 1902-3 *Determination of the emission of volatile organic compounds and aldehydes by building products—Sampling, preparation of test specimens and testing condition—Part 3: Paints and coating materials*