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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 3: Paints and coating materials**

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Contents

	Page
Introduction.....	1
1 Scope.....	1
2 Normative references.....	1
3 Terms and definitions.....	2
4 Sampling.....	2
5 Test method.....	2
5.1 Principle.....	2
5.2 Coating and curing environment.....	2
5.3 Apparatus and instruments.....	2
5.4 Preparation of test specimens.....	3
5.5 Application of sample.....	3
5.6 Curing period.....	3
5.7 Test method.....	4
6 Test report.....	5
Annex A (informative) Comparison table between previous and current editions of this Standard on technically significant revisions.....	7

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 1902-3:2006** 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 3: Paints and coating materials

Introduction

This Japanese Industrial Standard specifies practical testing conditions and other requirements for paints and coating materials used as 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 of 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 amount of VOC, formaldehyde and other carbonyl compounds from paints and coating materials for buildings 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 6909 *Coating materials for textured finishes of buildings*

JIS A 4000 *Aluminium and aluminium alloy sheets, strips and plates*

JIS K 5500 *Glossary of terms for coating materials*

JIS K 5516 *Ready mixed paints (Synthetic resin type)*

JIS K 5600-1-2 *Testing methods for paints—Part 1: General rules—Section 2: Sampling*

JIS K 5600-1-4 *Testing methods for paints—Part 1: General rule—Section 4: Standard panels for testing*