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JIS G 3443-4 : 2020

(WSP/JSA)

**Coated steel pipes for water  
service—Part 4: Internal epoxy  
coatings**

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## Foreword

This Japanese Industrial Standard has been 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 Water Steel Pipe Association (WSP)/Japanese Standards Association (JSA) with a draft being attached, based on the provision of Article 12, paragraph (1) of the Industrial Standardization Act applied mutatis mutandis pursuant to the provision of Article 16 of the said Act. This edition replaces the previous edition (**JIS G 3443-4:2014**), which has been technically revised.

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**JIS G 3443** series consists of the following 4 parts under the general title *Coated steel pipes for water service*—

*Part 1: Pipes*

*Part 2: Fittings*

*Part 3: Long-life external plastic coatings*

*Part 4: Internal epoxy coatings*

## Coated steel pipes for water service— Part 4: Internal epoxy coatings

### 1 Scope

This Japanese Industrial Standard specifies the requirements for epoxy coatings applied on the internal surface of mother pipes used mainly for industrial water works, agricultural water works and sewage works.

This Standard does not apply to multipurpose water pipelines in which the usage of pipe includes water works, such as conduit water pipes from water sources.

### 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 B 0601 *Geometrical Product Specifications (GPS)—Surface texture: Profile method—Terms, definitions and surface texture parameters*

JIS B 7512 *Steel tape measures*

JIS G 3101 *Rolled steels for general structure*

JIS G 3141 *Cold-reduced carbon steel sheet and strip*

JIS G 3443-1 *Coated steel pipes for water service—Part 1: Pipes*

JIS G 3443-2 *Coated steel pipes for water service—Part 2: Fittings*

JIS G 3443-3 *Coated steel pipes for water service—Part 3: Long-life external plastic coatings*

JIS K 5500 *Glossary of terms for coating materials*

JIS K 5600-1-1 *Testing methods for paints—Part 1: General rule—Section 1: General test methods (conditions and methods)*

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*

JIS K 5600-1-7 *Testing methods for paints—Part 1: General rule—Section 7: Determination of film thickness*

JIS K 5600-5-3 *Testing methods for paints—Part 5: Mechanical property of film—Section 3: Falling-weight test*

JIS K 5600-5-6 *Testing methods for paints—Part 5: Mechanical property of film—Section 6: Adhesion test (Cross-cut test)*

JIS K 5600-5-7 *Testing methods for paints—Part 5: Mechanical property of film—Section 7: Adhesion test (Pull-off method)*