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for corrosion prevention**

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Contents

	Page
Introduction.....	1
1 Scope.....	1
2 Normative references	1
3 Terms and definitions	1
4 Preparation.....	2
5 Pinhole test method by wet tester for lined film on metallic surface	2
5.1 Summary.....	2
5.2 Test equipment and reagents	3
5.3 Preparation of test	3
5.4 Procedures of test	4
5.5 Evaluation and record of result	5
6 Pinhole test method by dry tester for lined film on metallic surface	5
6.1 Summary.....	5
6.2 Test equipment	5
6.3 Preparation of test	6
6.4 Procedures of test	8
6.5 Marking and record of results	8
7 Pinhole test method by dry tester for lined film on concrete surface	9
7.1 Summary.....	9
7.2 Test equipment	9
7.3 Preparation of test	10
7.4 Procedures of test	15
7.5 Marking and record of results	15
Annex (informative) Example of test specification for lined film	16

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 The Surface Finishing Society of Japan (SFJ)/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 K 6766**:1977 is replaced with this Standard.

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Pinhole test method of lined films for corrosion prevention

Introduction This Japanese Industrial Standard is a result of revising the previous edition, "Testing Methods for Polyethylene Coatings on Metals", which was established in 1963, based on the later improved technology. In this revision, the scope is broadened from just the polyethylene film to the overall resin lined films for corrosion prevention, so that this Standard specifies various pinhole test methods that can be used to test the finished film applied on the metal and the concrete surfaces at the job site.

1 Scope This Standard specifies the wet type (electric resistance type) and dry type (electric discharge type) pinhole test methods for the finished film of resin lining coated on metallic surface and concrete surface in the civil engineering structure and equipment such as offshore structure, machinery and pipings of chemical equipment, bridge, large-sized tank, and conduit for the main purpose of the corrosion prevention of the part in contact with seawater, corrosive fluid, soil, penetrant, drainage and the like for a long period of time.

The applicable films shall be as follows.

- a) The test shall be applied to the hardened, clean and new films just after the completion of work. The films in the course of using shall not be applied.
- b) The wet type shall be applied to the films of approximately 500 μm or under film thickness, and the dry type shall be applied to the films of approximately 10 mm or under film thickness.
- c) It shall not be applied when the lined films have electrical conductivity.
- d) It shall not be applied to the coating with the purpose of preventing rust in the atmosphere.
- e) It shall not be applied when the surface of film is noticeably contaminated.

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 K 3370 *Synthetic detergents for kitchen*

JIS K 8102 *Ethanol (95) (Reagent)*

JIS K 8150 *Sodium chloride (Reagent)*

JIS K 8891 *Methanol (Reagent)*

3 Terms and definitions For the purpose of this Standard, the following terms and definitions shall apply.

- a) **lining** the covering, of which the main component is plastics, used for the purpose of a long-term rust prevention against seawater, corrosive fluid, soil, drainage, penetrant and the like