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Methods of salt spray testing

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In the event of any doubts arising as to the contents,
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Contents

	Page
Introduction.....	1
1 Scope.....	1
2 Normative references	1
3 Terms and definitions	2
4 Salt solution for testing.....	2
4.1 Preparation of salt solution for testing.....	2
4.2 pH adjustment of salt solution for testing	3
4.3 Filtration of suspended matter	4
5 Apparatus	4
6 Evaluation of cabinet reproducibility related to corrosivity	7
6.1 General.....	7
6.2 NSS test	7
6.3 AASS test.....	9
6.4 CASS test.....	10
7 Test specimens	12
7.1 Handling of test specimens.....	12
7.2 Size of test specimens	12
7.3 Preparation of test specimens	12
8 Arrangement of test specimens	13
9 Test conditions	13
10 Duration of tests.....	14
11 Notes for test operation.....	14
12 Treatment of test specimens after test	15
13 Evaluation of test results	15
14 Test report	16
Annex A (informative) Example of apparatus with means for treating fog exhaust and drain	18
Annex B (informative) Evaluation of cabinet reproducibility related to corrosivity (using zinc reference specimens)	20
Annex C (normative) Preparation of test panels with organic coating such as painted coat	22

Annex JA (informative)	Arrangement and positions of test specimens	24
Annex JB (informative)	Removal of corrosion products	25
Annex JC (normative)	Rating number method	30
Annex JD (informative)	Comparison table between JIS and corresponding International Standard	46

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 Z 2371**:2000 is replaced with this Standard.

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Methods of salt spray testing

Introduction

This Japanese Industrial Standard has been prepared based on the third edition of **ISO 9227** published in 2012 with some modifications of the technical contents.

The portions given sidelines or dotted underlines are the matters in which the contents of the corresponding International Standard have been modified. A list of modifications with the explanations is given in Annex JD.

1 Scope

This Standard specifies the salt solutions, the apparatus, and the procedure (including evaluation of cabinet reproducibility related to corrosivity, test specimens, test conditions, and evaluation of test results) to be used in conducting the neutral salt spray test, acetic acid salt spray test and copper-accelerated acetic acid salt spray (CASS) tests for assessment of the corrosion resistance of metallic materials, with or without electroplating, or inorganic film or organic coating such as painted coat.

WARNING Persons carrying out tests based on this Standard should be familiar with normal laboratory practice. This Standard does not purport to address all of the safety problems, if any, associated with its use. It is the responsibility of the user of this Standard to establish appropriate safety and health practices.

NOTE : The International Standard corresponding to this Standard and the symbol of degree of correspondence are as follows.

ISO 9227:2012 *Corrosion tests in artificial atmospheres—Salt spray tests* (MOD)

In addition, symbols which denote the degree of correspondence in the contents between the relevant International Standard and **JIS** are IDT (identical), MOD (modified), and NEQ (not equivalent) according to **ISO/IEC Guide 21-1**.

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

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

NOTE : Corresponding International Standard: ISO 1514:2004 *Paints and varnishes—Standard panels for testing* (MOD)

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