

Translated and Published by Japanese Standards Association

 $JIS \ K \ 5659 : 2018$

(JPMA/JSA)

Long durable paints for steel structures

ICS 83.140.99;87.040

Reference number: **JIS K 5659**: **2018** (**E**)

K 5659:2018

Date of Establishment: 1992-11-01

Date of Revision: 2018-09-20

Date of Public Notice in Official Gazette: 2018-09-20

Investigated by: Japanese Industrial Standards Committee

Standards Board for ISO area

Technical Committee on Chemical Products and

Analytical Methods

JIS K 5659:2018, First English edition published in 2019-07

Translated and published by: Japanese Standards Association Mita MT Building, 3-13-12, Mita, Minato-ku, Tokyo, 108-0073 JAPAN

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

© JSA 2019

All rights reserved. Unless otherwise specified, no part of this publication may be reproduced or utilized in any form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from the publisher.

Printed in Japan

AH/AT

Contents

	Pa	.ge
Introd	duction	1
	Scope	
1	•	
2	Normative references	
3	Terms and definitions	3
4	Types, divisions and classes	3
5	Quality	4
6	Reference sample	5
7	Test method ····	5
7.1	Sampling	5
7.2	Examination and preparation of sample for testing	6
7.3	General conditions for tests	
7.4	Condition inside container	6
7.5	Low temperature stability	6
7.6	Surface-drying property	
7.7	Appearance of film	7
7.8	Pot life ·····	
7.9	Contrast ratio	9
7.10	Specular gloss (60°)	9
7.11	Overcoatability	9
7.12	Flexibility	0
7.13	Falling-weight resistance10	0
7.14	Interlayer adhesion I (between under coat and intermediate coat)1	
7.15	Interlayer adhesion II (between intermediate coat and top coat) 12	
7.16	Alkali resistance	
7.17	Acid resistance 15	3
7.18	Humidity and cool-heat cycling resistance12	
7.19	Non-volatile matter content	
7.20	Accelerated weathering resistance	
7.21	Natural weathering resistance10	
8	Inspection	6
9	Marking	6
Anne	x A (normative) Application of sample using a film applicator1	7
Anne	x B (normative) Natural weathering resistance19	9
Anne	x C (informative) Number of test panels and test days necessary for the test of long durable paints for steel structures	1

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 Paint Manufacturers Association (JPMA)/Japanese Standards Association (JSA) with the draft prepared from the association standard (**JPMS 31**:2016) 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 5659:2008 is replaced with this Standard.

However, **JIS K 5659**:2008 may be applied in the **JIS** mark certification based on the relevant provisions of Article 19 Clause 1, etc. of the Industrial Standardization Law until September 19, 2019.

This **JIS** document is protected by the Copyright Law.

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.