



JAPANESE
INDUSTRIAL
STANDARD

Translated and Published by
Japanese Standards Association

JIS K 5600-8-5 : 1999
(ISO 4628-5 : 1982)

**Testing methods for paints—
Part 8 : Evaluation of degradation
of paint coatings—
Section 5 : Designation of degree
of flaking**

ICS 87.040

Descriptors : paints, painting, membranes, deterioration, ratings, cross-cut test,
surface defects

Reference number : JIS K 5600-8-5 : 1999 (E)

K 5600-8-5 : 1999 (ISO 4628-5 : 1982)

Foreword

This translation has been made based on the original Japanese Industrial Standard established by the Minister of International Trade and Industry through deliberations at the Japanese Industrial Standards Committee in accordance with the Industrial Standardization Law.

JIS K 5400 corresponding to this Standard will be withdrawn and replaced with this Standard in April 2002, at the time of three years passed after establishment of this Standard.

Consequently it is recommended to comply with this Standard.

JIS K 5600 consists of the following parts.

JIS K 5600 Part 1 Section 1 to Section 8	<i>General rule</i>
JIS K 5600 Part 2 Section 1 to Section 7	<i>Characteristics and stability of paints</i>
JIS K 5600 Part 3 Section 1 to Section 6	<i>Film formability</i>
JIS K 5600 Part 4 Section 1 to Section 7	<i>Visual characteristics of film</i>
JIS K 5600 Part 5 Section 1 to Section 11	<i>Mechanical property of film</i>
JIS K 5600 Part 6 Section 1 to Section 3	<i>Chemical property of film</i>
JIS K 5600 Part 7 Section 1 to Section 8	<i>Long-period performance of film</i>
JIS K 5600 Part 8 Section 1 to Section 6	<i>Evaluation of degradation of paint coatings</i>

JIS K 5600-8 consists of the following sections under the title of "Testing methods for paints—Part 8 : Evaluation of degradation of paint coatings".

JIS K 5600 Part 8 Section 1	<i>General principles and rating schemes</i>
JIS K 5600 Part 8 Section 2	<i>Designation of degree of blistering</i>
JIS K 5600 Part 8 Section 3	<i>Designation of degree of rusting</i>
JIS K 5600 Part 8 Section 4	<i>Designation of degree of cracking</i>
JIS K 5600 Part 8 Section 5	<i>Designation of degree of flaking</i>
JIS K 5600 Part 8 Section 6	<i>Rating of degree of chalking</i>

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In the event of any doubts arising as to the contents,
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**Testing methods for paints—
Part 8 : Evaluation of degradation
of paint coatings—
Section 5 : Designation of degree
of flaking**

Introduction This Japanese Industrial Standard has been prepared based on **ISO 4628-5** *Paints and varnishes—Evaluation of degradation of paint coatings—Designation of intensity, quantity and size of common types of defect—Part 5 : Designation of degree of flaking* issued in 1982 as the first edition without changing the technical contents.

This Standard is one of a series of standards dealing with sampling and testing of paints and related products.

The other sections of **JIS K 5600-8** are as follows.

- JIS K 5600-8-1** *Testing methods for paints—Part 8 : Evaluation of degradation of paint coatings—Section 1 : General principles and rating schemes*
- JIS K 5600-8-2** *Testing methods for paints—Part 8 : Evaluation of degradation of paint coatings—Section 2 : Designation of degree of blistering*
- JIS K 5600-8-3** *Testing methods for paints—Part 8 : Evaluation of degradation of paint coatings—Section 3 : Designation of degree of rusting*
- JIS K 5600-8-4** *Testing methods for paints—Part 8 : Evaluation of degradation of paint coatings—Section 4 : Designation of degree of cracking*
- JIS K 5600-8-6** *Testing methods for paints—Part 8 : Evaluation of degradation of paint coatings—Section 6 : Rating of degree of chalking*

JIS K 5600-8-1 defines the system for designating the quantity and size of common types of defects of paint coatings and outlines the basic principles of the system in respect of designation of the quantity and size of defects, in particular the defects caused by ageing and weathering.

JIS K 5600-8-2 to **JIS K 5600-8-6** provide auxiliary pictorial or other reference scales for rating particular types of defect. As far as possible, these scales are based on existing well-established schemes.

1 Scope This part of the Standard provides pictorial standards for designating the degree of flaking of paint coatings.

2 Rating Rate the quantity of flaking on the basis of the relative area flaked, by reference to Table 1 and using the Figs. 1 and 2 as examples.

Note : Fig. 1 shows flaking without preferential direction and Fig. 2 shows flaking with preferential direction due to anisotropy in the substrate.