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**NATIONAL STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

GB/T 30789.5-2015

**Paints and varnishes -- Evaluation of degradation of coatings --
Designation of quantity and size of defects, and of intensity of uniform
changes in appearance -- Part 5: Assessment of degree of flaking**

色漆和清漆 涂层老化的评价 缺陷的数量和大小以及外观均匀变化程度的标识 第5
部分：剥落等级的评定

(English Translation)

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Foreword

GB/T 30789 "Paints and varnish coating aging rating number and size of the defect and the identity of the extent of uniform changes in appearance." Divided into nine sections.

- Part 1. General and identification systems;
- Part 2. Evaluation of blistering levels;
- Part 3. Evaluation of rust grade;
- Part 4. Evaluation cracking grade;
- Part 5. Evaluation of flaking grade;
- Part 6. Assessment of degree of chalking tape method;
- Part 7. Method for Evaluation of velvet cloth chalking rating;
- Part 8. scribe or other artificial defect assessment and corrosion peeling peripheral level;
- Part 9. Evaluation of filiform corrosion level.

This section GB/T Part of 530,789.

This section drafted in accordance with GB/T 1.1-2009 given rules.

This section uses the translation method identical with ISO 4628-5:2003 "number and size of paints and varnishes Evaluation of degradation of coatings defects as well as the appearance of a uniform degree of change identified Part 5. flaking rating assessment. " this part is proposed by the China Petroleum and Chemical Industry Association.

This part of the National Standardization Technical Committee and the pigment coating (SAC/TC5) centralized.

This section drafted by. CNOOC Changzhou Paint Chemical Research Institute Co., Ltd., China Paint (Shenzhen) Co., Ltd., Guangzhou Composites Research Institute Co., Ltd., China Aviation Bermuda New Materials Engineering Co., Ltd., Dongguan Science and

Technology Co., Ltd. Magnesium Magnesium Security.

1 Scope

This section GB/T 30789 gives illustrated by comparison with the standard, and use the definitions specified in ISO 4628-1, to evaluate peel Off grade approach.

ISO 4628-1 defines the number and size of defects on the coating due to aging and the changes in the appearance of uniformity assessment systems, and almost General said the assessment system.

The evaluation system is suitable for aging and weathering caused by the defect, as well as a change in color (for example. yellowing) of uniform changes.

2 Normative references

The following documents for the application of this document is essential. For dated references, only the dated version suitable for use herein Member. For undated references, the latest edition (including any amendments) applies to this document.

The number and size of the ISO 4628-1 Paints and varnishes - Evaluation of degradation of coatings defects and uniformity of appearance change logo Part 1. General and identification system (Paintsandvarnishes-Evaluationofdegradationofcoatings-Designation ofquantityandsizeofdefects, andofintensityofuniformchangesinappearance-Part 1. Generalin-troductionanddesignationsystem)

3 Terms and Definitions

The following terms and definitions apply to this document.

Flaking rating degreeofflaking Coating peeling off the number, size and depth of the assessment.

4 Rating

According peeling types, see Table 1 and Figures 1 and 2 to assess the number of peeling.

Note: Figure 1 shows a non-directional peeling flaking, peeling is shown in Figure 2 along a direction of peeling, which is due to the anisotropy of the substrate.

Table 1 rating ablation amount

grade

Peeling area

1 0.1

2 0.3