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

GB/T 30789.8-2015

**Paints and varnishes -- Evaluation of degradation of coatings -- Designation of quantity
and size of defects, and of intensity of uniform changes in appearance -- Part 8:
Assessment of degree of delamination and corrosion around a scribe or other artifici**

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8
部分：划线或其它人造缺陷周边剥离和腐蚀等级的评定

(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 the following 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 830,789.

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

This section uses the translation method identical with ISO 4628-8:2012 "number and size of paints and varnishes Evaluation of degradation of coatings defects as well as the appearance of a uniform degree of change identification - Part 8. scribe or other artificial defect assessment and corrosion levels surrounding the release "formulation.

Correspondence between the consistency of the standards of international documents and normative references of the following documents.

GB/T 9278-2008 paint sample conditioning and testing temperature and humidity (ISO 3270. 1984, IDT).

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., Shenzhen Hirota Decoration Group Co., Ltd., a Guangzhou Into the Materials Research Institute Co., Ltd., Guangzhou standard laboratory equipment Geda Products Co., Ltd., Zhejiang Tong fish New Material Co., China Ship Institute of Maritime Corporation eleventh.

1 Scope

This section GB/T 30789 gives an assessment on the painted test panels painted or other artifacts caused by the corrosive environment scribing or other Surrounding stripping and artificial methods of corrosion defects.

This section does not include the evaluation of pitting or pitting depth.

ISO 15711 test methods are detailed in seawater immersion; corrosive environments such as salt spray artificial atmosphere, the ISO 9227 test methods are detailed;. 1 Note of course, it includes the natural environment.

Note 2: Evaluation of delamination and corrosion, while other defects should also be assessed. Evaluation methods are as follows.

- According to ISO 4628-2 assessment gassing;
- According to ISO 4628-3 assessed rust grade;
- According to ISO 4628-4 assessment cracking grade;
- According to ISO 4628-5 assessment flaking grade;
- According to ISO 4628-10 Evaluation of filiform corrosion levels.

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.

ISO 3270 Paints, varnishes and their raw state of the sample conditioning and testing temperature and humidity (Paintsandvarnishesand theirrawmaterials-Temperaturesandhumiditiesforconditioningandtesting)

3 Terms and Definitions

The following terms and definitions apply to this document.

Holidays holiday

Painted on a specific area substrates without coating.

Artificial defects artificialdefect Before the corrosion test, by man-made holidays to expose the underlying metal coating substrates.

Circular defect Before the corrosion test, artificially created by the circular drain coating, the coating to expose the underlying metal substrate.