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

GB/T 31588.1-2015

**Paints and varnishes -- Determination of resistance to cyclic
corrosion conditions -- Part 1: Wet (salt fog) /dry/humidity**

色漆和清漆 耐循环腐蚀环境的测定 第1部分：湿(盐雾)/干燥/湿气

(English Translation)

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Foreword

GB/T 31588 "Paints and varnishes - Determination of resistance to cyclic corrosion environment" is divided into the following sections.

--- Part 1. Wet (salt fog)/drying/moisture;

--- Part 2. Wet (salt fog)/drying/humidity/UV light.

This section GB/T Part of 131,588.

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

"Paints and varnishes - Determination of resistance to cyclic corrosion environment of 2005. This section uses the translation method is equivalent to using the international standard ISO 11997-1 Part 1. Wet (salt fog)/drying/moisture. " Consistency correspondence between this part of international documents and normative references of our files are as follows.

--- GB/T 3186-2006 Paints, varnishes and raw materials for paints and varnishes - Sampling (ISO 15528:2000, IDT);

Laboratory use specifications and test methods (ISO 3696. 1987, MOD) --- GB/T 6682-2008 analysis;

--- GB/T 9271-2008 Paints and varnishes standard test panels (ISO 1514:2004, MOD);

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

--- GB/T 13452.2-2008 Paints and varnishes - Determination of film thickness (ISO 2808:2007, IDT);

--- GB/T 20777-2006 Paints and varnishes examination and preparation of samples (ISO 1513:1992, 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., Guangzhou standard laboratory equipment Geda Products Co., Ltd., Guangzhou State Institute of synthetic material Limited, the Bermuda Air New Materials Engineering Co., Ltd., Zhejiang St. Libang Paint Co., Ltd., Shanghai Kinlita Chemical Co., Ltd., Dongguan City, Tai Hing Chemical Co., Ltd. Shanghai SR household equipment.

1 Scope

This section GB/T 31588 regulations four A method for measuring the moisture coating (salt fog)/drying/moisture environment refers to the use of the specified solution Test methods for any given cycle of circulation.

2 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 1513 inspection and preparation of samples for paints and varnishes
(Paintsandvarnishes-Examinationandpreparation ofsamplesfortesting) Paints and varnishes
ISO 1514 standard test panels (Paintsandvarnishes-Standardpanelsfortesting) ISO 2808
Paints and varnishes - Determination of film thickness
(Paintsandvarnishes-Determinationoffilmthick-ness) ISO 3270 Paints, varnishes and their
raw state of the sample conditioning and testing temperature and humidity
(Paintsandvarnishesandtheir
rawmaterials-Temperaturesandhumiditiesforconditioningandtesting) ISO 3696 for analytical
laboratory use specifications and methods (Waterforanalyticallaboratoryuse-Specification
andtestmethods) 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 rating methods
(Paintsandvarnishes-Evaluationofdegradationofcoatings-Designation
ofquantityandsizeofdefects, andofintensityofuniformchangesinappearance-Part 1. General
principlesandratingschemes) the number and size of the ISO 4628-2 Paints and varnishes -
Evaluation of degradation of coatings defects and uniformity of appearance change logo
Part 2. Assessment of degree of blistering
(Paintsandvarnishes-Evaluationofdegradationofcoatings-Designation
ofquantityandsizeofdefects, andofintensityofuniformchangesinappearance-Part 2.
Assessment ofdegreeofblistering) the number and size of the ISO 4628-3 Paints and
varnishes - Evaluation of degradation of coatings defects and uniformity of appearance
change logo Part 3. Assessment of degree of rusting
(Paintsandvarnishes-Evaluationofdegradationofcoatings-Designation
ofquantityandsizeofdefects, andofintensityofuniformchangesinappearance-Part 3.

Assessment of degree of rusting) the number and size of the ISO 4628-4 Paints and varnishes - Evaluation of degradation of coatings defects and uniformity of appearance change logo Part 4. Assessment of degree of cracking
(Paints and varnishes - Evaluation of degradation of coatings - Designation of quantity and size of defects, and of intensity of uniform changes in appearance - Part 4. Assessment of degree of cracking) the number and size of the ISO 4628-5 Paints and varnishes - Evaluation of degradation of coatings defects and uniformity of appearance change logo Part 5. Assessment of degree of flaking
(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