



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

GB/T 9756-2018

Synthetic resin emulsion coatings for interior wall

Issued on: June 7, 2018

Implemented on: January 1, 2019

Issued by: SAMR; SAC

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Foreword

This Standard was drafted in accordance with the rules given in GB/T 1.1-2009.

This Standard replaces GB/T 9756-2009, Synthetic resin emulsion coatings for interior wall. Compared with GB/T 9756-2009, the major technical changes, in addition to editorial changes, are as follows.

- Change the scope of the standard (see Clause 1; Clause 1 of 2009 edition);
- Delete the normative references including "GB/T 1250 and JC/T 412.1-2006" (see Clause 2 of 2009 edition);
- Add the normative references including "GB/T 6682-2008, GB/T 8170-2008 and GB/T 23981-2009" (see Clause 2);
- Add the items, indexes and test methods of low-temperature film-forming properties of primers and finishes (see 4.1, 4.2 and 5.5.5);
- Change the technical indexes of scrub resistance of film of finishes. the qualified product's acceptance index of scrub resistance of film of finishes is changed from ">= 300 times" into ">= 350 times", the first-class product's index is changed from ">=

1000 times" into "1,500 times" and superior product's index is changed from ">=

5,000" into " $\geq 6,000$ " (see 4.2; 4.2 of 2009 edition);

-- Add the specifications of waterproof abrasive paper used for substrate polishing and the inspection method for substrate flatness for the item of scrub resistance of film (see 5.3);

-- Change the contents including wet-film thickness, sample density and unit of test panel area in the calculation equation of primer brushing amount (see 5.4.2.1;

5.2.2.4 of 2009 edition);

-- Add the panel making requirements for the arbitration test for the items of contrast ratio and scrub resistance of film (see 5.4.3.2);

-- Change the test panel thickness for the item of scrub resistance of film, from "430 mm x 150 mm x (4 ~ 6) mm" into "430 mm x 150 mm x 6 mm" (see Table 5; Table

5 of 2009 edition);

-- Add the requirements for brushes during the arbitration test for the item of scrub resistance of film (see 5.5.11);

-- Add the processing requirements, when the PVA water solution for the item anti-efflorescence has aggregation, precipitation, etc. during storage (see A.1.1.1; A.1.1.1 of 2009 edition);

-- Change the storage period of the PVA-iron blue water dispersion liquid, from "not exceeding 1 month" into "not exceeding 15 d" (see A.1.1.2; A.1.1.2 of 2009 edition);

-- Change the height of the test solution immersion test panels for the item of anti-efflorescence, from "greater than 1/2 of the test panel thickness" into "greater than 2/3 of the test panel thickness" (see A.3.2; A.3.2 of 2009 edition).

This Standard was proposed by the China Petroleum and Chemical Industry Association.

This Standard shall be under the jurisdiction of National Technical Committee 5 on Paints and Pigments of Standardization Administration of China (SAC/TC 5).

The drafting organizations of this Standard. CNOOC Changzhou Paint Chemical Research Institute, Dow Chemical Company (China) Investment Co., Ltd., ICI Swire

Paints (Shanghai) Co., Ltd., Nippon Paint (China) Co., Ltd., Shanghai Research Institute of Paint and Coatings Co., Ltd., Guangdong Carpoly Technological Materials Co., Ltd., Foshan Shunde District BATF Industrial Co., Ltd., Guangdong Huarun Paints Co., Ltd., 3trees Paint Co., Ltd., Guangdong Bardese Chemical Co., Ltd., Zhejiang Huade New Materials Co., Ltd., Shenzhen Grandland Environmental Protection Paint Co., Ltd., Caparol (China) Co., Ltd., Hebei Tianxin Construction Group Co., Ltd., First New Material Technology Development Co., Ltd., Zhanchen New Material Group Co., Ltd., Zhejiang Transfar Paint Co., Ltd., China Paint MFG (Shenzhen) Co., Ltd., Hebei Chenyang Industry and Trade Group Co., Ltd., Ningbo Xinan Coating Co., Ltd., Shandong Lehua Paint Industry Co., Ltd., Alligator Paint (Shanghai) Co., Ltd., Northwest Yongxin Paint Co., Ltd., DMT Production (Beijing) Co., Ltd., Bauhinia Coatings (Shanghai) Co., Ltd., BASF New Materials Co., Ltd., Jiangsu Elephant Coating Co., Ltd., Maco Group Co., Ltd., Kansai Paint (China) Investment Co., Ltd., Antext Chemical (Zhongshan) Co., Ltd., Xiang Jiang Paint Technology Co., Ltd., Shanghai Jianke Technical Assessment of Construction Co., Ltd.

1 Scope

This Standard specifies the classification and grading, requirements, test methods, inspection rules and marking, packaging and storage, etc. for synthetic resin emulsion coatings for interior wall.

This Standard applies to coatings for interior wall, including primers and finishes, which is based on synthetic resin emulsion, prepared with pigments, body pigments and all kinds of auxiliaries and forms a thin coating layer with a smooth surface after application.

2 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition dated applies to this document. For undated references, the latest edition of the referenced documents (including all amendments) applies to this document.

GB/T 1728-1979, Methods of test for drying time of coatings of paints and putties

GB/T 1766-2008, Paints and varnishes - Rating schemes of degradation of coats

GB/T 1910, Newsprint

GB/T 3186, Paints, varnishes and raw materials for paints and varnishes -
Sampling

GB/T 6682-2008, Water for analytical laboratory use - Specification and test
methods

GB/T 6750-2007, Paints and varnishes - Determination of density - Pycnometer
method

GB/T 8170-2008, Rules of rounding off for numerical values and expression and
judgement of limiting values

GB/T 9265-2009, Determination for alkali resistance of film of architectural paints
and coatings

GB/T 9266-2009, Determination of scrub resistance of film of architectural paints
and coatings

3 Classification and grading

Synthetic resin emulsion coatings for interior wall are classified into primers and finishes in this Standard. Finishes are graded into qualified products, first-class products and superior products in accordance with the requirements for use.

5.1 Sampling

Conduct sampling as specified in GB/T 3186 or in accordance with a method as agreed. Sampling volume shall be as required by inspection.

5.2 Test environment

Unless specified otherwise, the conditioning of test panels and the temperature-humidity of test shall be as specified in GB/T 9278.

5.3 Test base materials and their treatment methods

Unless agreed otherwise, select base materials as specified in Table 3 and Table 5.