

ICS 87.040
CCS G 51



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

GB/T 9757-2001

**Solvent-thinned coatings for exterior wall
(English Translation)**

Issued on: June 9, 2001

Implemented on: April 1, 2002

**Issued by: General Administration of Quality Supervision, Inspection and
Quarantine**

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Foreword

This Standard is the revision to recommended national standard GB/T 9757-

1988 Solvent-thinned coatings for exterior wall.

The main technical differences between this Standard and the former vision are.

- In this Standard, it divides the products into 3 grades - "superior product", "first grade product", and "qualified product"; in GB/T 9757-1988, there is no grading.
- In this Standard, it deletes the item "solid content";
- In this Standard, it deletes the item "fineness";
- In this Standard, it uses "contrast ratio" to replace the item "hiding rate";
- In this Standard, the indicators "water resistance", "alkali resistance" and "artificial climate ageing resistance" have been increased to some extent;
- In this Standard, the cycling number of "coating's temperature resistance" is changed from 10 times to 5 times.

Appendix A of this Standard is a standard Appendix.

This Standard shall replace GB/T 9757-1988 from the implementation date.

This Standard was proposed by State Bureau of Petroleum and Chemical Industry.

This Standard shall be centralized by National Paints and Pigments Standardization Technical Committee.

Main drafting organization of this Standard. Shanghai Watson Chemical Plant, Nanjing Huacai Special Paint Factory, and Changzhou Coating Chemical Research Institute of China National Chemical Construction Corporation.

Main drafters of this Standard. Wang Jianzhong, Li Hongjin, Liu Jiyuan, Zhaoling, and Feng Shifang.

This Standard was issued first-time in 1988.

This Standard shall be explained by National Paints and Pigments Standardization Technical Committee.

National Standard of the People's Republic of China

Solvent-thinned coatings for exterior wall

Replacing GB/T 9757-1988

1 Scope

This Standard specifies product classification, requirements, test methods, inspection rules, marking, packaging, and storage of solvent-thinned coatings for exterior wall.

This Standard applies to solvent-thinned coatings for exterior wall of which the basic material is synthetic resin; which is made of pigments, body pigments and other auxiliaries; and after being smeared, which can form a thin coating with flat surface. This coating applies to decoration and protection of external surface of buildings and structures.

2 Normative references

The articles contained in the following documents have become part of this Standard when they are quoted herein. For the dated documents so quoted, all the modifications or revisions made thereafter shall not be applicable to this

Standard. For the undated documents so quoted, the latest editions shall be applicable to this Standard.

GB/T 1250-1989 Rules for expression and judgment of limiting values

GB/T 1727-1992 Methods of producing films of paints, varnishes, lacquers and related products on test plates

GB/T 1728-1979 (1989) Methods of test for drying time of coatings of paints and putties

GB/T 1733-1993 Determination of resistance to water of films

GB/T 1766-1995 Paint and varnish - Rating schemes of degradation of coats

GB/T 1865-1997 Paints and varnishes-Artificial weathering and exposure to artificial radiation-Filtered xenon-arc radiation (eqv ISO 11341.1994)

GB 3186-1982 (1989) Sampling paint products (neq ISO 1512.1974)

GB/T 6682-1992 Water for laboratory use; Specifications (neq ISO 3696.1987)

GB/T 9265-1988 Determination for alkali resistance of film of architectural paints and coatings

GB/T 9266-1988 Determination of scrub resistance of film of architectural paints and coatings

GB/T 9270-1988 Determination of contrast ratio of light colored paints (using polyester film) (eqv ISO 3906.1980)

GB/T 9271-1988 Paints and varnishes - Standard plates for testing (eqv ISO 1514.1984)

GB 9278-1988 Temperatures and humidities for conditioning and testing of paint specimens (eqv ISO 3270.1984)

GB/T 9750-1998 Marks for package of coating products

GB/T 13491-1992 General rule for packing of coatings

GB/T 15608-1995 The Chinese color system

HG/T 2458-1993 General Rules for the Inspection, Transportation and Storage of Paint Products

JC/T 412-1991 Asbestos cement flat sheets for architecture

JG/T 25-1999 Determination for freeze-thaw resistance of film of building coatings

3 Product Classification

The products are divided into 3 grades. superior product, first grade product, and qualified product.

4 Requirements

Products shall meet the technical requirements of Table 1.

It shall be done according to GB/T 9750. If it needs dilution, diluent and dilution rate shall be indicated.

7.2 Packaging

It shall be done according to the grade 1 packaging requirements in GB/T 13491.

7.3 Storage

Product storage shall ensure ventilation, desiccation. It shall prevent from direct sunlight and it shall isolate the source of fire and be away from heat. According to the type of resin, product shall formulate the storage life and indicate it on the packaging logos.

Appendix A

(Standard appendix)

The test method of coating stain resistance

A.1 Principle

This method uses fly ash as contaminated media, and mixes it together with water to brush on the coating plate. WASH it with water after drying. After a specified cycle, DETERMINE the decreasing rate of reflection coefficient of coating, so as to express the coating stain resistance.

A.2 Main material, instruments and device

A.2.1 Fly ash¹⁾