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

GB/T 9755-2024

Replacing GB/T 9755-2014

Synthetic resin emulsion based wall coatings

合成树脂乳液墙面涂料

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Table of Contents

Foreword	i
1 Scope	
2 Normative references	
3 Terms and definitions	
4 Product classification and grading	
5 Requirements	
6 Test methods	
7 Inspection rules	
8 Marking, packaging and storage	
Annex A (Normative) Test method for alkali burnout resistance and alkali burnout and salting-out resistance	
Annex B (Normative) Test method for water permeability	
Annex C (Normative) Test method for scrubbing resistance (topcoat for exterior wall)	

Foreword

This document was issued on 28 November 2024 by the State Administration for Market Regulation; Standardization Administration of the PRC and takes effect on 1 June 2025.

It is a GB/T standard: recommended rather than compulsory, but it is the text a Chinese reviewer applies.

The document runs to 20 pages in translation. The identification, the dates, the table of contents and the clauses reproduced on this page are taken from the standard itself.

It replaces GB/T 9755-2014, which is superseded.

1 Scope

GB/T 9755 is the Chinese product standard for synthetic resin emulsion wall coatings: exterior emulsion paint. It is one of the highest-volume coatings standards in the country, and the one a specification for a building facade normally cites. The standard classifies the products, sets the requirements, describes the test methods, and gives the inspection rules and the marking, packaging, transport and storage. The requirements are the ones that decide how a facade looks after five years: the container state, the low temperature stability, the drying time, the contrast ratio and the colour, the alkali resistance, the water resistance, the scrub resistance, the resistance to staining and to chalking, the artificial weathering

resistance and, increasingly, the limits on volatile organic compounds and on harmful substances. The 2024 edition, effective 1 June 2025, replaces GB/T 9755-2014. For a paint maker, a specifier or a developer buying facade coatings in China, this is the acceptance text.

This document specifies the product classification and grading, requirements, test methods, inspection rules as well as marking, packaging and storage of the synthetic resin emulsion based wall coatings.

This document is applicable to the wall coatings, which are made from a mixture of pigments, extender pigment and various additives with the synthetic resin emulsion as base material by emulsion polymerization mode and formed into a thin coating layer with smooth surface after application.

2 Normative references

The following normative documents contain provisions which, through reference in this text, constitute provisions of this standard. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

GB 175 Common portland cement

GB/T 1727-2021 General preparation of paint film

GB/T 1728-2020 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 1865-2009 Paints and varnishes - Artificial weathering and exposure to artificial radiation - Exposure to filtered xenon-arc radiation

GB/T 1910-2015 Newsprint

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

GB/T 5206 Paints and varnishes - Terms and definitions

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

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

GB/T 8170-2008 Rules of rounding off for numerical values & expression and judgment 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

GB/T 9268-2008 Determination of freeze-thaw resistance of latex and emulsion paints

GB/T 9271-2008 Paints and varnishes - Standard panels for testing

GB/T 9278 Temperatures and humidities for conditioning and testing of paint specimens

GB/T 9750 Marks for package of coating products

GB/T 9780-2013 Test method for dirt pickup resistance and stain removal of film of architectural coatings and paint

GB/T 13452.2-2008 Paints and varnishes - Determination of film thickness

GB/T 13491 General rule for packing of coatings

GB/T 15608 The Chinese color system

GB/T 16422.3-2022 Plastics - Methods of exposure to laboratory light sources - Part 3: Fluorescent UV lamps

GB/T 20777 Paints and varnishes - Examination and preparation of samples for testing

GB/T 23981.1-2019 Paints and varnishes - Determination of hiding power - Part 1: Determination of contrast ratio of white and light coloured paints

GB/T 30648.2-2015 Paints and varnishes - Determination of resistance to liquids - Part 2: Water immersion method

GB/T 37356 Paints and varnishes - Lighting and procedure for visual assessments of coatings

HG/T 3001-1999 Iron blue pigments

HG/T 4565-2013 High-temperature resistant coatings for boilers and auxiliary equipments

JG/T 25-2017 Test method for temperature change resistance of architectural coatings

JG/T 210-2018 Primer for interior and exterior wall

JC/T 412.1-2018 Fiber cement flat sheets - Part 1: Non-asbestos fiber cement flat sheets

JGJ 52 Standard for technical requirements and test method of sand and crushed stone (or gravel) for ordinary concrete

3 Terms and definitions

For the purposes of this document, the terms and definitions given in GB/T 5206 apply.

4 Product classification and grading

4.1 Product classification

Wall coatings are classified by use occasion into:

- Coatings for interior wall;
- Coatings for exterior wall.

Coatings for interior wall are classified by coating type into:

- Primer for interior wall;
- Topcoat for interior wall.

Coatings for exterior wall are classified by coating type into:

- Primer for exterior wall;
- Topcoat for exterior wall.

Primer for interior wall is classified by mechanism of action on the substrate into:

- Type I, reinforced type;
- Type II, ordinary type.

Primer for exterior wall is classified by requirements for alkali burnout and salting-out resistance and water permeability into:

- Type I, used for occasions with high requirements for alkali burnout and salting-out resistance and water permeability;
- Type II, used for occasions with general requirements for alkali burnout and salting-out resistance and water permeability.

4.2 Product grading

Topcoat for interior wall and topcoat for exterior wall are classified into acceptable product, first-grade product and superior product.

5 Requirements

5.1 The primer shall be as specified in Table 1.