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

JG/T 157-2009

**Putty for exterior wall
(English Translation)**

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Foreword

This standard replaces JG/T 157-2004 "Putty for exterior wall".

This standard is a revision of JG/T 157-2004 "Putty for exterior wall". As compared with JG/T 157-2004, the main changes are as follows.

- For the scope of application of this standard, EXTEND the ordinary leveling putty for exterior wall to the putty used as the coating's bottom layer of ordinary exterior wall and exterior wall thermal insulation.
- CHANGE the asbestos-cement board for testing purposes to non-asbestos fiber-cement board.
- CHANGE the classification from the original ordinary type (P type), flexible (R type) to three categories. ordinary type (P), flexible type (R), elastic type (T).
- CHANGE the putty flexible test method from the original single dynamic resistance to cracking to two types. the putty film flexibility and the dynamic resistance to cracking.
- CHANGE the initial resistance to dry-cracking to two types. thick-applied

putty (product which has a single-pass thickness of more than 1.5 mm) and thinly-applied putty (product which has a single-pass thickness of not more than 1.5 mm).

- For the elastic (T) putty, CANCEL the technical indicators of rubbing properties.
- CHANGE the accuracy of the balance for water absorption test from 0.1 g to 0.01 g.
- IMPROVE the test method for the dynamic resistance to cracking.
- CHANGE the low-temperature stability method to "PLACE it at -5 °C for 18 h, PLACE it at standard conditions for 6 h, three cycles".

Appendix A and Appendix B of this standard are normative appendices.

This standard was proposed by the Institute of Standardization of the Ministry of Housing and Urban-Rural Development.

This standard shall be under the jurisdiction of the Technical Jurisdiction Organization of Building Engineering Standard of the Ministry of Housing and Urban-Rural Development.

Putty for exterior wall

1 Scope

This standard specifies the requirements, test methods, inspection rules and markings, packaging and storage of putty for exterior walls of buildings.

This standard is applicable to the putty for exterior wall made of cement, polymer powder, synthetic resin emulsion and other materials as the main binder, added with fillers, additives, etc., for the paint's bottom layer of the ordinary exterior wall and exterior wall thermal insulation.

2 Normative references

The provisions in following documents become the provisions of this standard through reference in this standard. For the dated references, the subsequent amendments (excluding corrections) or revisions do not apply to this standard;

however, parties who reach an agreement based on this standard are encouraged to study if the latest versions of these documents are applicable. For undated references, the latest edition of the referenced document applies.

GB 175 Portland cement and ordinary Portland cement

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

GB/T 1733 Determination of resistance to water of films

GB/T 1748 Method of test for flexibility of putty coatings

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

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

GB/T 8170 Rules of rounding off for numerical values & expression and judgement of limiting values

GB/T 9265 Determination for alkali 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 Paints and varnishes standard panels for testing

GB/T 9278 Temperature and humidity for conditioning and testing of paint specimens

GB/T 9750 Marks for package of coating products

GB/T 13491 General rule for packing of coatings

JC/T 412.1-2006 Fiber cement flat sheets - Part 1. Non-asbestos fiber cement flat sheets

JG/T 24-2001 Sand textured building coating based on synthetic resin emulsion

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

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

3 Terms and definitions

The following terms and definitions apply to this standard.

3.1

Putty for exterior wall

Before the finishing work, the surface treatment material of the base layer which is applied to the exterior wall of the building, for the main purposes of leveling and cracking resistance.

3.2

Dynamic resistance to cracking

The ability of the surface material to resist crack propagation in the base layer.

3.3

Thinly-applied putty

An exterior wall putty which has a single-pass thickness of less than or equal to 1.5 mm.

3.4

Thick-applied putty

An exterior wall putty which has a single-pass thickness of more than 1.5 mm.

4.1 Category

It is classified into three categories by the putty film flexibility or the dynamic resistance to cracking.

Ordinary type - Ordinary putty for exterior wall of building, which is suitable for the finishing work for the exterior wall of ordinary building (not suitable for the finishing work for the external thermal insulation of exterior wall).

Flexible type - Flexible putty for exterior wall of building, which is suitable for