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JG

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

JG 158-2004

Replacing JG/T 158-2004

**Products for external thermal insulation systems based on
mineral binder and expanded polystyrene granule plaster
(English Translation)**

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Foreword

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

This standard is JG/T 158-2004 "powder polystyrene particles exterior insulation system" revision, compared with the JG/T 158-2004 to technical changes are as follows.

- Increase the classification system (see 4) and paste the construction of the system (see 5.2);
- Increase the general requirements of the safety and environmental protection, construction, part of the composition of materials and accessories were provided (see 5);
- Increased the performance of paste polystyrene particles paste grout (see 6.2);
- Increased polystyrene board performance indicators (see 6.3);
- Increasing the performance of flexible water-stop mortar (see 6.9);
- Complement the weathering index requirements (see 6.1.1);
- Complement the system on the fire response index requirements (see 6.1.2);

- Modify the powder polystyrene particles insulation paste part of the performance indicators (see 6.2);
- Modify the interface mortar performance indicators (see 6.4);
- Modify the performance of cracking mortar (see 6.5);
- Alkali modified fiberglass mesh performance indicators (see 6.6);
- Modify the tile unit area, length and thickness of the performance indicators (see 6.10);
- Modify the tile adhesive mortar performance indicators (see 6.11);
- Modify the performance indicators of the material (see 6.12);
- Remove the system anti-wind pressure, abrasion resistance, seismic resistance and tile adhesion test (see 2004 version 5.1.2);
- Remove the elastic primer in the container state and the construction of performance indicators (see 2004 version 5.8).

This standard proposed by the Ministry of Housing and Urban Standard and Design Institute.

This standard by the Housing and Urban-Rural Construction Products and Components Standardization Technical Committee.

This standard was drafted. China Building Standard Design and Research Institute, Beijing Energy Saving and Environmental Protection Technology Co., Ltd., China Building Science Research Institute, China Building Materials Science Research Institute, North China Building Design Standardization Office, Beijing Construction Engineering Materials Association Building Energy-saving Professional Committee, Beijing Liu Jian Group Co., Ltd., Wuhan Austrian Czech high-tech Co., Ltd., Nanjing Chen Gong energy-saving materials limited liability any company, Xiangfan Hui Erjie fiberglass limited liability company, Hui fish (Taicang) Construction Anchor Co., Ltd., Wacker Chemie (China) Co., Ltd., Beijing Institute of Construction Engineering Construction Quality Judicial Identification Center, Shandong Academy of Building Research, Tsinghua University, Sichuan Jian Mao Technology Development Co., Ltd.

1 Scope

This standard specifies the terms and definitions, classification, general requirements,, test methods, Inspection rules, product certification and instructions for use, as well as the labeling, packaging, shipping and storage of system components.

This standard applies to civilian buildings using powder polystyrene particles exterior insulation system products.

2 Normative references

The following documents for the application of this document is essential. For dated references, only the dated version applies to this article Pieces. For undated references, the latest edition (including all amendments) applies to this document.

GB/T 308 ball bearings GB/T 3186 Paints, varnishes and varnish and varnish raw materials sampling GB/T 3810.1 ceramic tiles test methods - Part 1. Sampling and receiving conditions Test methods for ceramic tiles Part 2. Inspection of dimensions and surface quality GB/T 3810.3 ceramic tiles test methods - Part 3. Determination of water absorption, apparent porosity, apparent relative density and bulk density Test methods for ceramic tiles Part 12. Determination of frost resistance GB/T 3810.12 GB/T 4100 ceramic tiles Test method for inorganic rigid thermal insulation products GB/T 7689.5-2001 Reinforcements - Test methods for woven fabrics - Part 5. Tensile strength and elongation at break of glass fibers Long determination GB 8624 Classification of combustion properties of building materials and products GB/T 8625 Flammability of building materials test methods GB/T 8626 flammability test methods for building materials GB/T 9914.3 Methods of test for reinforcement articles - Part 3. Determination of mass per unit area GB/T 10294 Insulating materials - Determination of steady - state thermal resistance and related characteristics Determination of steady - state thermal resistance of insulation materials and related properties GB/T 10295 Heat flow meter method GB/T 10299 insulation material hydrophobic test methods GB/T 10801.1 adiabatic molded polystyrene foam GB/T 10801.2 adiabatic extruded polystyrene foam (XPS) GB/T 16172 Test methods for heat release rate of building materials Test method for building waterproofing coatings GB/T 16777-2008 Test methods for water vapor permeability of building materials GB/T 17671 cement mortar strength test method (ISO method) GB 23440 inorganic waterproof plugging material GB/T 29416 Exterior wall insulation system fire performance test methods JC/T 456 ceramic mosaic JC/T 547 ceramic tile adhesive JC/T 841 alkali-resistant glass fiber mesh