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JG

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

JG/T 228-2015

Replacing JG/T 228-2007

**Thermal insulation composite material of polystyrene board
and concrete for building external wall
(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 replaces JG/T 228-2007 "cast-in-place concrete composite expanded polystyrene board exterior insulation technology requirements." This standard and JG/T 228-2007 compared to the main technical changes are as follows.

- Increasing the general requirements of the structure and part of the composition of materials and accessories were provided in the structure of an increase of extruded polystyrene board (See Chapter 5);
- Adjust the system performance indicators (see 6.1);
- Increased the performance of extruded polystyrene board, adjusted the allowable deviation of polystyrene board and polystyrene mesh board quality requirements indicators (See 6.2);
- Modify the light fire insulation paste part of the performance indicators (see 6.3);
- Modify the polystyrene mortar interface performance indicators (see 6.4);
- Increasing the requirements of product delivery documents (see Chapter 9).

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. Beijing Energy Saving and Environmental Protection Technology Co., Ltd., China Building Standard Design Institute Co., Ltd., Public Security Tianjin Fire Research Institute, China Academy of Building Research, Beijing Liu Jian Group Co., Ltd., Beijing Institute of Building Materials Inspection Limited Company, Beijing Institute of Construction Engineering Construction Quality Judicial Identification Center, Shandong Academy of Building Research, Construction and Development Research Institute of Shandong Province Institute, Liaoning Sui Si Construction Engineering Group Co., Ltd., China Railway 15 Bureau Group Linyi Properties Limited, Inner Mongolia Institute of Building Science and Technology have Limited liability company.

1 Scope

This standard specifies the construction of concrete composite polystyrene board exterior insulation materials, that is, cast-in-place concrete composite polystyrene board exterior insulation Terms and definitions, classification, general requirements,, test methods, inspection rules, product delivery documents, marking, packaging, transportation and Storage.

This standard applies to civil buildings used in-situ concrete composite polystyrene board exterior insulation system.

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 308.1 Rolling ball bearings - Part 1. Balls GB/T 1839 steel products quality test methods zinc coating 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 GB/T 5480 Methods of test for mineral wool and its products Test method for inorganic rigid thermal insulation products GB/T 6342 Determination of linear dimensions of foam and rubber Determination of apparent density of foam and rubber GB/T 6343 GB/T 7689.2 Reinforcements - Test methods for woven fabrics - Part 2. Determination of warp and weft densities GB/T 7689.5 Reinforcements - Test methods for woven fabrics - Part 5. Determination of tensile strength and elongation at break of glass fibers GB/T 8170 rounded repair rules and limit values of the representation and judgment GB 8624 Classification of combustion properties of building materials and products GB/T 8810

Determination of water absorption of rigid foam GB/T 8811 rigid foam dimensional stability test methods Determination of GB/T 8813 rigid foam compression properties 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 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) Rock wool products for exterior insulation of buildings GB 26540-2011 Exterior insulation systems with steel mesh molded polystyrene board Building climate zoning standards