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

JG/T 536-2017

**Thermosetting composite polystyrene foam insulation board
(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 was proposed by the Institute of Standardization of the Ministry of Housing and Urban-Rural Development.

This standard is under the jurisdiction of the Standardization Technical Committee for Building Products and Components of the Ministry of Housing and Urban-Rural Development.

This standard is mainly drafted by. China Academy of Building Research, Ascott Technology (Shanghai) Co., Ltd., Shandong Shengquan New Materials Co., Ltd., Qingdao Hainuo Zhongtian Technology Co., Ltd., Fusite New Material Technology Development Co., Ltd., Anhui Zhongrui Quality Inspection Co., Ltd., China Architecture Design and Research Institute, Beijing Building Materials Inspection and Research Institute Co., Ltd., China Building Materials Inspection and Certification Group Co., Ltd.

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Zhejiang Taifulong Technology Development Co., Ltd., Xiamen Guke Coatings Group Company, Hebei Province Construction Machinery Material Equipment Product Quality Supervision and Inspection Station, Henan Hengmao Energy Saving Technology Co., Ltd., Jiangsu Jiu Nuo Construction Materials Technology Co., Ltd., Yixing Yaxin Decoration Materials Co., Ltd., Hebei Shengda Energy-saving Building Materials Co., Ltd., Shenzhen Ferris Fluorocarbon Division Technology Co., Ltd., Hunan Yimai Energy Saving Technology Co., Ltd., Jiangsu Langxu Energy Saving Technology Co., Ltd., Jiangsu Woniushan Thermal Insulation Technology Co., Ltd.

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Sichuan Jinzhan Technology Co., Ltd., Xi'an Luokede Environmental Technology Co., Ltd.

1 Scope

This standard specifies the terms and definitions, classification and marking, requirements, test methods and inspection rules of thermosetting composite polystyrene foam insulation boards.

Then, packaging, transportation and storage.

This standard applies to thermosetting composite polystyrene foam insulation boards used in civil building insulation projects.

2 Normative references

The following documents are indispensable for the application of this document. For dated references, only dated versions apply to this article.

Pieces. For undated references, the latest edition (including all amendments) applies to this document.

GB/T 5486 inorganic hard insulation products test method GB/T 6343 Determination of apparent density of foams and rubber GB/T 8170-2008 Numerical rounding rules and the representation and determination of limit values GB 8624 Classification of combustion properties of building materials and products GB/T 8626 flammability test method for building materials GB/T 8810 Determination of water absorption of rigid foams GB/T 8811 rigid foam plastic dimensional stability test method Rubber and plastics -- Determination of flexural properties -- Part 2 . flexural strength and apparent flexural modulus Determination GB/T 8813 Determination of Compressive Properties of Rigid Foams GB/T 10294 Thermal insulation material thermal insulation resistance and related characteristics determination GB/T 10295 Thermal insulation materials - Determination of steady state thermal resistance and related characteristics - Heat flow method GB/T 17146-2015 Test method for water vapor transmission performance of building materials and their products

3 Terms and definitions

The following terms and definitions apply to this document.

Thermoset composite polystyrene foam insulation board
thermosetting composite polystyrene foam insulation board the polystyrene foam particles or plates are used as the heat-insulating substrate, and the homogenous plate-shaped products made by the treatment agent are compounded.

Granular coating, hybrid molding, substrate penetration, etc., have a certain shape retaining ability under fire and do not produce molten dripping.

Note: referred to as thermoset composite polystyrene board (TEPS).

4.1.1 Type

The thermosetting composite polystyrene board is classified into low density type (D type) and high density type (G type) according to density.