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

GB/T 34011-2017

**Thermal insulation products for building applications --
Determination of the pull-off resistance of external thermal
insulation composite systems (ETICS) (foam block test)**

建筑用绝热制品 外墙外保温系统抗拉脱性能的测定（泡沫块试验）

(English Translation)

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Table of Contents

- Foreword
- 1 Scope
- 2 Normative references
- 3 Terms and definitions, symbols and units
- 3.1 Terms and definitions

Foreword

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

This standard uses the translation method identical with ISO 12968:2010 "building insulation products with external insulation system Tensile test Set (foam block test)".

The documents of our country that are consistent with the corresponding international documents that are normative references in this standard are as follows.

--- GB/T 1725-2007 Paints, varnishes and plastics Determination of non-volatile content (ISO 3251:2003, IDT)

--- GB/T 4132-1996 insulation terminology (ISO 9229:1991, NEQ)

--- GB/T 9345.1-2008 Determination of plastic ash Part 1. General method (ISO 3451-1:1997, IDT)

--- GB/T 18942.1-2003 Polymer porous elastic materials Determination of compressive stress and strain characteristics - Part 1. Low density Material (ISO 3386-1:1986, IDT)

--- GB/T 30804-2014 Insulating products for building perpendicular to the surface tensile strength measurement (ISO 29765:2008, IDT) this standard by the National Standardization Technical Committee thermal insulation material (SAC/TC191) centralized.

This standard was drafted unit. Nanjing Fiberglass Research Institute Co., Ltd., the National Fiberglass Products Quality Supervision and Inspection Center, Jiangsu Provincial Silicate Society.

1 Scope

This standard specifies the equipment and steps to measure the anti-pull-off performance of the external wall thermal insulation system. The fixing method of this system is mechanical fixing or machine Mechanical fixed and bonded fixed combination. The method described is called "foam block test".

This standard applies to building insulation products.

NOTE The purpose of this test is not to measure the pull-off resistance between the exterior insulation system and the basement wall.

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.

ISO 3251 Paints, varnishes and plastics Determination of non-volatile content (Paints, varnishes and plastics- Determination of non-volatile matter content) ISO 3386-1 Polymeric porous elastic materials - Determination of compressive stress - strain characteristics - Part 1. Low density materials (Polymeric materials, cellular flexible- Determination of stress-strain characteristics in compression- Part 1: Low-density materials) ISO 3451-1 Plastics - Determination of ash - Part 1. General method (Plastics- Determination of ash- Part 1.

General methods)

ISO 9229 Thermal insulation terminology (Thermal insulation- Vocabulary) ISO 29465 building insulation products length and width determination (Thermal insulating products for building applications- Determination of length and width) ISO 29466 Determination of building insulation products thickness (Thermal insulating products for building applications- Determination of thickness) ISO 29470 building insulation products - Determination of apparent density (Thermal insulating products for building applications- Determination of the apparent density) ISO 29765 Thermal insulation products for building - Determination of vertical tensile strength (Thermal insulating products for building applications- Determination of tensile strength perpendicular to faces) EN 206-1 Concrete Part 1. Specifications, Performance, Production and Evaluation (Concrete- Part 1. Specification, performance, production and conformity) EN 1015-1 masonry mortar test methods Part 1 Determination of particle size distribution (analytical sieve method) [Method of test for mortar for masonry- Part 1: Determination of particle size distribution (by sieve analysis)] EN 13499 Building insulation products Polystyrene wall insulation system specifications [Thermal insulation products for buildings- External thermal polymerization composite systems (ETICS) based on expanded polystyrene- Specification]

3.1 Terms and definitions

Terms and definitions defined in ISO 9229 and EN 13499 apply to this document.