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

GB/T 30805-2024

**Thermal insulating products for building
applications-Determination of short-term water absorption by
partial immersion**

建筑用绝热制品 部分浸入法测定短期吸水量

(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, using translation method, identically adopts ISO 29767.2008

Thermal insulating products for building applications - Determination of short term water absorption by partial immersion.

This Standard was proposed by China Building Materials Federation.

This Standard shall be under the jurisdiction of National Technical Committee on Insulation Material of Standardization Administration of China (SAC/TC 191).

The drafting organizations of this Standard. Nanjing Glass Fiber Research & Design Institute Co., Ltd., National Glass Fiber Products Quality Supervision and Inspection Center.

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Thermal insulating products for building applications -
Determination of short term water absorption by
partial immersion

1 Scope

This Standard specifies the equipment and procedures for determining the short-term water absorption of specimens by partial immersion. This Standard is applicable to thermal insulating products.

NOTE The procedure specified by this Standard is intended to simulate the water absorption caused by a 24 h raining period during construction work.

2 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO 29768 Thermal insulating products for building applications -

Determination of linear dimensions of test specimens

ISO 5725-2 Accuracy (trueness and precision) of measurement methods

and results - Part 2. Basic method for the determination of repeatability and reproducibility of a standard measurement method

3 Principle

A specimen is placed with its lower part in water for a period of 24 h and the change in its mass is measured.

The excess water adhering to the surface but not absorbed by the specimen is removed by drainage (method A) or taken into account by deduction of the initial water uptake (method B).

4.1 Balance, capable of determining the mass of a specimen to an accuracy

6) date of testing,

7) general information relating to the test including a reference to the method used (A or B) and, if relevant, the initial water uptake,

8) any events that can have affected the results;

d) results. all individual values and the mean value.

NOTE It is expected that information about the apparatus and identity of the person responsible for the test be available in the laboratory, but it is not necessary that it be recorded in the report.

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