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

GB/T 30802-2014

**Thermal insulating products for building applications --
Determination of behaviour under point load**

建筑用绝热制品 点载荷性能的测定

(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 uses translation method to make it identical with ISO 29769.2008

Thermal insulating products for building applications - Determination of
behaviour under point load.

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 behaviour under point load

1 Scope

This Standard specifies equipment and procedures for determining the behaviour of products under a force applied to a small area of a test specimen at a given speed. This Standard is applicable to thermal insulating products.

This Standard can be used to determine whether the products have sufficient strength to withstand the forces applied directly to them either during installation or during application, mainly caused by pedestrian traffic.

NOTE The test methods given in the main body of this Standard and in Annex A are reported and interpreted in different ways. The similarities that exist between the methods are not sufficient to permit reasonable comparisons to be made.

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 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

ISO 2976 Thermal insulating products for building applications -
Determination of linear dimensions of test specimens

3 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

3.1 point load

compressive force applied to a test specimen by a circular indenter with a circular cross section of 50 cm², equivalent to a diameter of 79.8 mm

3.2 critical point

The deformation, P_d , of the test specimen at the thickness, d , measured in accordance with 7.2, is the largest of the two average values determined for the two faces, expressed in mm.

The test result is the average value obtained from three test specimens.

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