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

GB/T 25206.1-2014

**Reaction-to-fire tests for sandwich panel building systems --
Part 1: Test method for small rooms**

复合夹芯板建筑体燃烧性能试验 第1部分：小室法

(English Translation)

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Foreword

GB/T 25206 "combustion properties of the composite sandwich construction body test" is divided into two parts.

--- Part 1. cell method;

--- Part 2. Large chamber method.

This section GB/T Part of 125,206.

This section drafted in accordance with GB/T 1.1-2009 given rules.

This section uses redrafted Law Amendment uses ISO 13784-1:2002 "sandwich composite construction body combustion performance test - Part 1.

Small chamber method. " this part of ISO 13784-1:2002 technical differences and their reasons are as follows.

--- On normative references, this part has been adjusted technical differences, in order to

adapt our standard technical conditions and to facilitate Case the user uses this section, the focus adjustment is reflected in Chapter 2, "Normative references", the specific adjustments are as follows.

- with the GB/T 14107-1993 instead of ISO 13943 (see Chapter 3);
 - with the GB/T 16839.2 replaced by IEC 60584-2 (see 9.1);
 - with the GB/T 25207 replaced by ISO 9705 (see 10.2);
 - with the GB/T 25206.2 instead of ISO 13784-2 (see Chapter 1).
- For ease of understanding, and increasing the terms and definitions 3.4 "body building", delete ISO 13784-1 Terms and definitions "3.4 Quality constant (constantmass) ".
- By ISO 13784-1:2002 Chapter 12 is expressed in future revisions of the standard in the content, regardless of the current standards, it is Delete this chapter;
- By ISO 13784-1:2002 Content Chapter 13 column item o) statements into our standard no substantive significance, so remove this Column item;
- For ease of understanding, explanation about how the system to increase response time A.3.2 in Appendix A, i.e., the response time "system is it refers to an ignition source output transitions to a given value to the measured heat release rate up to 90% of the value of the time required. " this section also made the following editorial changes.
- Consistent with the existing standard series, the standard name will be changed to "the burning behavior of composite sandwich panels body building - Part 1. Small Chamber method ";
- Modify the ISO 13784-1 content typo in 7.7 will "according to the requirements of Chapter 9," corrected to "in accordance with the requirements of Chapter 10." this section presents the People's Republic of China Ministry of Public Security.

This part of the National Standardization Technical Committee for fire protection material Technical Committee (SAC/TC113/SC7) centralized.

This section is drafted. Tianjin Fire Research Institute of Ministry of Public Security, Ministry of Public Security of Sichuan Fire Research Institute.

1 Scope

This section GB/T 25206 specifies the use of small-scale chamber test assessment body building insulation composite sandwich panels combustion performance. in Test inside corner of the room, the use of specific flame acts directly on the surface of the article using the composite material, in order to simulate the indoor fire, Evaluation of flame propagation characteristics of thermal insulation composite sandwich construction surface or inside. This test method is not used to assess body building composite sandwich panels Fire

resistance.

This section applies to a composite sandwich construction with self-body support structure or frame support structure.

This section does not apply to the use of an adhesive, hang nail or bundled approach is mounted on the foundation wall or ceiling, and foundation walls or ceiling branched Supporting composite sandwich structure.

Note: Due to their design, the body can not for certain construction methods specified in this part of the application test, but suitable for test GB/T 25206.2 specified Test method; product testing lining material can be referred to GB/T 25207.

2 Normative references

The following documents for the application of this document is essential. For dated references, only the dated version suitable for use herein Member. For undated references, the latest edition (including any amendments) applies to this document.

GB/T 14107-1993 Fire basic terms of the second part GB/T 16839.2 thermocouple Part 2. Tolerances (GB/T 16839.2-1997, IEC 60584-2. 1982, IDT) GB/T 25206.2 composite sandwich construction bodies burning performance testing - Part 2. Large chamber method (GB/T 25206.2-2010, ISO 13784-2:2002, IDT) Entity room fire test method GB/T 25207 fire test surface of the article (GB/T 20207-2010, ISO 9705:1993, MOD)

3 Terms and Definitions

GB/T 14107-1993 and as defined in the following terms and definitions apply to this document.

Composite

A combination of two or more individual materials from a composite of surface-coated or laminate.