

ICS 91.100.60

CCS Q 25



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

GB 26540-2011

Replacing GB/T 26540-2011

**Metal network composite insulation board for wall insulation
and finish systems
(English Translation)**

Issued on: October 14, 2022

Implemented on: May 1, 2023

**Issued by: State Administration for Market Regulation, China National
Standardization Administration**

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Foreword

This document is in accordance with the provisions of GB/T 1.1-2020 "Guidelines for Standardization Work Part 1: Structure and Drafting Rules of Standardization Documents" drafted.

This document replaces GB/T 26540-2011 "Molded Polystyrene Panels with Wire Mesh Frames for External Wall Insulation Systems", and GB/T 26540-Compared with 2011, except for structural adjustment and editorial changes, the main technical changes are as follows.

- a) changed the scope (see Chapter 1, Chapter 1 of the 2011 edition);
- b) Added the terms and definitions of steel wire mesh composite insulation board, steel mesh frame, steel mesh sheet, insulation core material, and interface treatment agent (see 3.1~3.3, 3.8~3.9);
- c) Changed product classification and product marking (see Chapter 4, 4.2 of the 2011 edition);
- d) Changed the performance requirements of EPS boards (see 5.3, 5.2 of the 2011 edition);
- e) Added the performance index requirements for XPS board, GEPS board and RW board (see 5.3, 6.5);
- f) Changed the specifications and allowable deviations (see 6.2, 6.2 of the 2011 edition);
- g) Changed the thermal resistance requirements of steel wire mesh composite insulation

board (see 6.4, 6.4.1 of the 2011 edition);

h) The thickness of the non-penetrating single-sided steel mesh frame composite thermal insulation board (FCT) and the penetrating double-sided steel wire mesh composite thermal insulation board (Z) has been increased Measurement diagram (see 7.2.4);

i) Added test methods for performance indicators of XPS board, GEPS board and RW board (see 7.5).

Please note that some content of this document may be patented. The issuing agency of this document assumes no responsibility for identifying patents.

1 Scope

This document specifies the classification and marking, raw materials, requirements and test methods of steel wire mesh composite insulation panels (WGJ) for wall insulation systems.

laws, inspection rules, marking, packaging, transportation and storage.

This document is applicable to double-sided or single-sided steel mesh frame as skeleton, EPS board, XPS board, GEPS board, RW board as thermal insulation material, used for Steel wire mesh composite insulation board for wall insulation system of new construction, reconstruction and expansion and existing buildings. Other types of thermal insulation material steel wire mesh panels are available refer to the implementation.

2 Normative references

The contents of the following documents constitute essential provisions of this document through normative references in the text. Among them, dated citations documents, only the version corresponding to that date applies to this document; for undated references, the latest edition (including all amendments) applies to this document.

GB/T 4132 Thermal Insulation Materials and Related Terms GB 8624-2012 Classification of combustion performance of building materials and products GB/T 10801.1-2021 Molded polystyrene foam (EPS) for thermal insulation GB/T 10801.2-2018 Extruded polystyrene foam (XPS) for thermal insulation GB/T 13475 Determination and calibration of adiabatic steady-state heat transfer properties and protective hot box method GB/T 25975 Rock wool products for external thermal insulation of building exterior walls GB/T 30804 Determination of tensile strength perpendicular to the surface of thermal insulation products for buildings GB/T 33281-2016 Galvanized welded wire mesh JC/T 907-2018 Concrete interface treatment agent JC/T 2441-2018 Graphite-modified molded polystyrene foam board for thermal insulation of buildings YB/T 126 Steel wire for wire mesh sandwich panel

3 Terms and Definitions

GB/T 4132 and the following terms and definitions apply to this document.

It is processed and manufactured in the factory by automatic equipment, with single-sided or double-sided steel mesh and the oblique insertion wire welded on it as the skeleton, and the thermal insulation material is the thermal insulation core material is a composite grid plate formed by inlaying the thermal insulation core material in a steel wire mesh frame.

Note: The composite grid board includes non-penetrating single-sided steel wire grid composite insulation board, penetrating single-sided steel wire grid composite insulation board and penetrating double-sided steel wire grid Composite insulation board.

steel wire mesh metalnetwork A three-dimensional steel wire skeleton composed of single-sided or double-sided steel mesh sheets and oblique insertion belly wires welded on them.

Note: The belly wire of the steel mesh frame is cross or parallel oblique insertion, and a certain angle is formed between the belly wire and the steel mesh to ensure the stability of the mesh frame.