

ICS 27.010
CCS F01



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

GB 30185-2025

Replacing GB 30185-2013

**Norm of energy consumption per unit production of aluminum
(plastic) composite panel**

铝（塑）复合板单位产品能源消耗限额

Issued on: February 28, 2025

Implemented on: March 1, 2026

**Issued by: State Administration for Market Regulation;
Standardization Administration of China**

Table of Contents

- 1 Scope
- 2 Normative references
- 3 Terms and definitions

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 for standardization documents" Drafting. This document replaces GB 30185-2013 "Energy consumption limit per unit product of aluminum composite panel". Compared with GB 30185-2013, in addition to structural adjustment In addition to the integration and editorial changes, the main technical changes are as follows:

- a) The terms and definitions of comprehensive energy consumption of aluminum-plastic panel products have been deleted, and the terms and definitions of comprehensive energy consumption per unit product of aluminum-plastic composite panels have been changed. The terms and definitions of comprehensive energy consumption per unit product of non-combustible aluminum composite panels and decorative aluminum veneer panels have been added. (Chapter 3 of the.2013 edition);
- b) The energy consumption limit level index values for aluminum-plastic composite panels have been changed, and the energy consumption limit level index values for non-combustible aluminum composite panels and decorative aluminum veneers have been added. Standard value (see Chapter 4, Chapter 4 of the.2013 edition);
- c) Added technical requirements (see Chapter 5);
- d) The statistical scope and indicator method have been changed (see Chapter 6, Chapter 5 of the.2013 edition);
- e) Energy-saving management and measures (see Chapter 6 of the.2013 edition) have been deleted. Please note that some of the contents of this document may involve patents. The issuing organization of this document does not assume the responsibility for identifying patents. This document is proposed and coordinated by the National Standardization Administration. This document was first published in.2013 and this is the first revision. Energy consumption limit per unit product of aluminum (plastic) composite panels

1 Scope

GB 30185-2025 is the Chinese national standard on norm of energy consumption per unit production of aluminum (plastic) composite panel, in the field of energy and heat transfer engineering. It carries no /T suffix, which in the Chinese system means compliance is mandatory: a product or a practice within its scope has to meet it to be lawfully made, sold or carried out in China. It was issued on 28 February 2025 by the State Administration for Market Regulation; Standardization Administration of China, and has been in force since 1 March 2026. Classification: ICS 27.010, CCS F01. This page is published from the official record of the standard held by the Chinese standards administration: the identification, the dates, the classification and the issuing body are taken from there. The clause text, the tables and the numeric limits are in the document itself, which is delivered complete in English translation.

This document specifies the energy consumption limit level, technical requirements, statistical scope and calculation of the energy consumption limit per unit product of aluminum (plastic) composite panels. method. This document is applicable to the calculation and assessment of unit energy consumption of aluminum-plastic composite panels, non-combustible aluminum composite panels, and decorative aluminum veneer production enterprises, as well as Energy consumption control for new construction, renovation and expansion projects.

2 Normative references

The contents of the following documents constitute the essential clauses of this document through normative references in this document. For referenced documents without a date, only the version corresponding to that date applies to this document; for referenced documents without a date, the latest version (including all amendments) applies to This document.

GB/T 2589 General rules for comprehensive energy consumption calculation

GB/T 12723 General rules for the compilation of energy consumption limits per unit product

GB 17167 General rules for the allocation and management of energy metering instruments in energy-consuming units

GB/T 17748 Aluminum-plastic composite panels for building curtain walls

GB/T 22412 Aluminum-plastic composite panels for general decoration

GB/T 23443 Aluminum veneer for architectural decoration

GB/T 24851 Requirements for the deployment and management of energy metering equipment in the building materials industry
 JC/T 2113 Aluminum honeycomb composite panels for general decoration
 JC/T 2187 Aluminum corrugated core composite aluminum plate
 JC/T 2561 Non-combustible metal composite panels for building decoration
 JG/T 334 Aluminum honeycomb composite panels for building exterior walls

3 Terms and definitions

GB/T 2589, GB/T 12723, GB/T 17748, GB/T 22412, GB/T 23443 and JC/T 2561 and the following The terms and definitions apply to this document.

3.1 During the statistical period, various energy sources consumed in the production of aluminum-plastic composite panels are converted into the amount of energy consumed per 10,000 m² of aluminum-plastic composite panels.

3.2 During the statistical period, various energy sources consumed in the production of non-combustible aluminum composite panels are converted into the amount of energy consumed per 10,000 m² of non-combustible aluminum composite panels.