

ICS 91.060
CCS Q 73



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

GB/T 23444-2024

Replacing GB/T 23444-2009

Metal and metal-composite ceilings

金属及金属复合材料吊顶板

Issued on: October 26, 2024

Implemented on: May 1, 2025

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

Table of Contents

Foreword

1 Scope

2 Normative references

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/T 23444-2009 "Metal and metal composite ceiling panels".

In addition to structural adjustments and editorial changes, the main technical changes are as follows.

- a) The terms and definitions have been changed (see Chapter 3, Chapter 3 of the 2009 edition);
- b) The classification and code have been changed (see 4.1, 4.1 of the 2009 edition);
- c) Added requirements for the quality of the coating on steel substrates (see 5.3);
- d) Added the requirements for appearance quality and pattern, and changed the requirements for anodized appearance quality (see 6.1, 6.1 of the 2009 edition);
- e) The requirements for thickness and allowable deviation have been changed (see 6.2.1, 6.2.1 of the 2009 edition);
- f) The requirements for product thickness have been deleted (see 6.2.1 of the 2009 edition);
- g) The requirements for the deviation of strip shape and block size between substandard and qualified products have been changed (see 6.2.3, 6.2.4, 2009 edition 6.2.3, 6.2.4);
- h) Added the short pitch requirements for stretched mesh panels (see 6.2.9);
- i) The requirements and test methods for adhesion to steel substrates have been changed (see 6.4, 6.4 of the 2009 edition);
- j) The requirements for impact resistance have been changed (see 6.4, 6.4 of the 2009 edition);
- k) Added requirements and test methods for antimicrobial performance (see 6.6, 7.15);
- l) Added requirements and test methods for mildew resistance (see 6.7 and 7.16);

m) Added requirements and test methods for diffuse reflection performance of light sources (see 6.8 and 7.17);

n) The requirements and test methods for salt spray resistance have been changed (see 6.4, 6.4 of the 2009 edition);

o) The wind load test method (see Appendix A of the 2009 edition) has 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 by China Building Materials Federation.

This document is under the jurisdiction of the National Technical Committee for Standardization of Lightweight and Decorative Building Materials (SAC/TC195).

This document was drafted by: China National Testing and Inspection Holding Group Co., Ltd., Shanghai Jixiang Technology (Group) Co., Ltd., Zhejiang You Bang Integrated Ceiling Co., Ltd., Dong'e Lantian Qise Building Materials Co., Ltd., Guangzhou Jinba Building Materials Co., Ltd., Jixiang Group Co., Ltd.

Company, Yatai Industrial Group Co., Ltd., Ningbo Sequoia High-tech Materials Co., Ltd., Jiangsu Biaobang Decoration New Materials Co., Ltd., Chongqing Hengya New Decoration Materials Co., Ltd., Faslion Home Furnishing Building Materials Co., Ltd., Zhejiang Dingmei Intelligent Decoration Co., Ltd., Foshan Badis New Building Materials Co., Ltd., Aupu Home Furnishing Co., Ltd., Guangzhou Compton Zhigao Building Materials Co., Ltd., Shanghai Hefu New Materials Materials Technology Co., Ltd., Hongdao Industrial (Yingde) Co., Ltd., Armstrong World Industries (China) Co., Ltd., Guangdong Huatu Shijian Materials Industry Co., Ltd., Saxon Industries (Jiaxing) Co., Ltd., Fangda New Materials (Jiangxi) Co., Ltd., Jinzhu Aluminum (Tianjin) Co., Ltd.

Company, Jinzhu Taiyang Decoration Co., Ltd., Boli Technology (Jiaxing) Co., Ltd., Jinsheng Aluminum (Langfang) Co., Ltd., Tianjin Jinbangsheng Tai Building Materials Co., Ltd., Hebei Xinqianrui New Building Materials Co., Ltd., Jiangsu Fengshun New Materials Technology Co., Ltd., Shandong Caishan Aluminum Co., Ltd.

Company, Guangdong Fanlu Far East Aluminum Co., Ltd., Guangdong Huajiang Powder Technology Co., Ltd., Chongqing Xinxia Aluminum (Group) Co., Ltd.

Company, Tangshan Hydeline New Building Materials Co., Ltd., Chongyou (China) New Materials Co., Ltd., Boloni Intelligent Technology (Qingdao) Co., Ltd.

Guangzhou Shanma Building Materials Co., Ltd., Shanghai Alukao Decoration Materials Co., Ltd., Jiangsu Chenggong Materials Technology Co., Ltd., Guangdong Kaier CITY METAL TECHNOLOGY LIMITED.

The main drafters of this document are: Wu Shuai, Liu Tingting, Liu Yujun, Jiang Quan, Liu Shunli, Fan Xianglin, He Lei, Li Ge, Wang Xiao, Shen Zhuoyue, Wang Guohua, Xu Jiayan,

Wang Xiaodong, Lin Shengquan, Yin Qiang, Xi Junlong, Zhu Qiuxing, Ni Chengpeng, Jiang Yunfang, Pan Chunjun, Wu Zujun, Zhang Ke, Yan Liangfeng, Long Xisheng, Wang Jichun, Lin Yuhui, Guan Mingxian, Zhang Kunzhao, Weng Xiaochun, Zhang Xinyan, Chen Fuwen, Zhu Xiaohui, Xie Shuguang, Chen Bin, Wang Weibin, Li Jingwei, Cheng Huicong, Wei Yufu, Yang Yangxian, Luo Xianming, Xie Zhenwei, Wang Mingyin, Xia Guojun, Wang Lei, Li Huanqing, Feng Xiaoni, Li Xing, and Yao Qinggun.

This document was first published in 2009 and this is the first revision.

1 Scope

This document specifies the classification, code and marking, raw materials, requirements, testing and Inspection methods, inspection rules, marking, packaging, transportation, storage and accompanying documents.

This document applies to ceiling panels used for decoration and renovation of public buildings and commercial buildings.

2 Normative references

GB/T 191

GB/T 1452

GB/T 1732

GB/T 1740

GB/T 1741

GB/T 1766

GB/T 2918

GB/T 3190

GB/T 3880.1

GB/T 3880.3

GB/T 4956

GB/T 4957

GB/T 6388

GB/T 6461

GB/T 6739

GB 8624

GB/T 8753.1

GB/T 9286

GB/T 9754

GB/T 9761

GB/T 10125

GB/T 11186.2

GB/T 11186.3

GB/T 12754

GB/T 16259

GB/T 20247

GB/T 21866

chinastandards.org · PREVIEW