

ICS 81.040
CCS Q 33



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

GB/T 45925-2025

**Coating-etched glass for enhancing millimeter wave signal
transmission**

毫米波信号增强玻璃

Issued on: June 30, 2025

Implemented on: January 1, 2026

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

Table of Contents

Foreword

1 Scope

2 Normative references

3 Terms and Definitions

3.1 Etched area of coating

4 Categories

5 Requirements

5.1 Appearance Quality

5.2 Score pattern size and deviation

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.

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 Architectural Glass (SAC/TC255).

This document was drafted by: China National Testing Holding Group Co., Ltd., Shenzhen CSG Application Technology Co., Ltd., Pengcheng Laboratory, Chongqing Xinjing Special Glass Co., Ltd., Shenzhen Kaisheng Technology Engineering Co., Ltd., Building Materials Industry Technology Information Research Institute, Zhangzhou Qibin Glass Co., Ltd., Qinhuangdao Glass Industry Research and Design Institute Co., Ltd., China Building Materials Inspection and Certification Group Qinhuangdao Co., Ltd., Beijing Aoda QING ENVIRONMENTAL TESTING LIMITED.

The main drafters of this document are: Li Junjie, Xu Wei, Han Song, Wang Qi, Chen Junying, Shi Lin, Li Jiali, Sun Zhao, Yang Xuedong, Qin Wencheng, Wei Nana, Cheng Junhua, An Qi, Wu Fan, Zhang Haoyun, Lou Jing, Sun Zhi, Zhang Yimin, Liu Yaru, Han Ronghui, Cheng Xueran, Liu Haitao, Han Lei, Liu Jiaping, Cui Weijie, Zhang Rui, Yao Xinxi, Hou Yinglan, Guo Jiaxin, Ma Shuang, Hao Jiaqi, Zhao Yating, Zhang Liping, Liu Yuanmiao, Li Xuejun, Li Zihao, Jia Dingwei, Xu Jiaxin, Xu Lingling and Wang Jianyu.

Millimeter wave signal enhancement glass

1 Scope

This document specifies the classification, requirements, inspection rules, packaging, marking, transportation and storage of millimeter wave signal enhanced glass, and describes the corresponding test method.

This document is applicable to architectural coatings that use etching or masking processes to reduce the penetration attenuation of signals with wavelengths of 7.5mm to 600mm.

Design, production and delivery of glass.

2 Normative references

GB/T 2680-2021

GB/T 18915.2

GB/T 30142

3 Terms and Definitions

The terms and definitions defined in GB/T 18915.2 and the following apply to this document.

3.1 Etched area of coating

The area of the film-free region produced by etching or masking the coated glass.

4 Categories

According to the applicable frequency band wavelength (λ), millimeter wave signal enhancement glass can be divided into the following three categories.

- Class I. Applicable to signal-enhanced glass with wavelengths within the range of 7.5mm $\leq \lambda \leq 12.5$ mm;
- Class II. Applicable to signal-enhanced glass with wavelengths in the range of 12.5mm $< \lambda < 50$ mm;
- Class III. Applicable to signal-enhanced glass with wavelengths within the range of 50mm $\leq \lambda \leq 600$ mm.

5.1 Appearance Quality

The appearance quality should meet the requirements of GB/T 18915.2.

5.2 Score pattern size and deviation

The dimensions and deviations of the notch pattern should meet the design requirements.

chinastandards.org · PREVIEW