



## Environmental Product Declarations

Declaration number: EPD-CTC-2024.

Product name: Building energy saving glass

Name and address of  
applicant:

Name and address of  
manufacturer:

References: GB/T 24025-2009 Environmental labels and declarations. Type  
III environmental declarations. Principles and procedures  
ISO 14025:2006 Environmental labels and declarations – Type  
III environmental declarations – Principles and procedures

Functional unit: 1m<sup>2</sup> Building energy saving glass

System boundary: From resource exploitation, raw and auxiliary materials  
production and transportation, energy production, product  
production to product delivery (from cradle to gate)

Results: See the appendix

Date of issue: 2024-4-12

Date of expiry: 2029-4-11

Issuing authority: China Testing & Certification International Group Co., Ltd.

Within the period of validity, the certificate shall remain valid through annual supervision. The result of the annual supervision shall be shown in the annual supervision qualification announcement.

Address: No.1 Guanzhuang Dongli, Chaoyang District, Beijing. 100024. Tel: 010-51167347



## Environmental Product Declarations

Declaration number: EPD-CTC-2024-

### Appendix:

Product name:	Building energy saving glass	
Product model:	Tempered, Laminated, Insulating glass	
Environmental impact categories	Unit	Value
Global warming potential (GWP)	kg CO <sub>2</sub> -equiv./m <sup>2</sup>	5.33E+01
Primary energy demand (PED)	MJ/m <sup>2</sup>	6.60E+02
Water use (WU)	kg/m <sup>2</sup>	6.14E+03
Acidification potential (AP)	kg SO <sub>2</sub> -equiv./m <sup>2</sup>	6.38E-01
Abiotic depletion potential (ADP)	kg Sb-equiv./m <sup>2</sup>	3.28E-03
Eutrophication potential (EP)	kg PO <sub>4</sub> <sup>3-</sup> -equiv./m <sup>2</sup>	5.90E-02
Respiratory inorganics (RI)	kg PM2.5-equiv./m <sup>2</sup>	1.25E-01
Ozone depletion potential (ODP)	kg CFC-11-equiv./m <sup>2</sup>	2.31E-06
Photochemical ozone formation potential (POFP)	kg NMVOC-equiv./m <sup>2</sup>	2.41E-01

Note: Above information is based on the basic information provided by the applicant, and is verified by our company.

This appendix table shall be used together with the original certificate.

China Testing & Certification International Group Co., Ltd.

Valid date of the appendix: 2024-4-12





## Carbon Footprint of Products

Certificate number: CFP-CTC-2024-

Product name: Building energy saving glass

Name and address of  
applicant:

Name and address of  
manufacturer:

References: ISO 14067:2018 Greenhouse gases - Carbon footprint of products -  
Requirements and guidelines for quantification &  
PAS 2050:2011 Specification for the assessment of the life cycle  
greenhouse gas emissions of goods and services

Functional unit: 1m<sup>2</sup> Building energy saving glass

System boundary: From resource exploitation, raw and auxiliary materials production  
and transportation, energy production, product production to product  
delivery (from cradle to gate)

Carbon footprint per  
functional unit: 53.3 kg

Term of validity: From 2024-4-12 to 2029-4-11

Issuing authority: China Testing & Certification International Group Co., Ltd.

Address: No.1 Guanzhuang Dongli, Chaoyang District, Beijing, 100024. Tel: 010-51167347

Within the period of validity, the certificate shall remain valid through annual supervision. The result of  
the annual supervision shall be shown in the annual supervision qualification announcement.

