CONTRAFLAM® 45 US/C IGU

Fire protection rated clear tempered interlayered safety glass for exterior applications

Classification

Fire protective
This glass product withstands fire exposure to the non-fire side and protects from flames, smoke, hot gases and significantly reduces radiant heat.

Impact safety from either surface
Impact safety rated to meet the highest human impact safety ratings.

Hose Stream tested
This product withstands the hose stream test requirements.

Available Options

→ Extra clear

→ Patterned glass

Contact us for a personalized solution to meet your product requirements.

Technical Specifications

Fire Rating	45 minutes	
US / Canada Standards	NFPA 80, NFPA 252, NFPA 257 - UL 9, UL 10b, UL 10c CAN/ULC-S104, S106	
Building code markings	D-H-45, OH-45	
Impact Safety Rating	ANSI Z97.1. CPSC 16CFR 1201-CAT II. CAN/CGSB - 12.1-M90	
Application	Exterior	
Product	**CONTRAFLAM® 45 US/C IGU**	
Nominal thickness	1 5/16 in. (34 mm) with 1/4 in. (6 mm) spacer	1-9/16 in. (40 mm) with 1/2 in. (12 mm) spacer
Weight	13 lb/ft²	13 lb/ft²
Glass 1	1/4 in. (6 mm) PLANITHERM XN II (low-E coated tempered)	1/4 in. (6 mm) PLANITHERM XN II (low-E coated tempered)
Spacer	1/4 in. (6 mm) Argon	1/2 in. (12 mm) Argon
Glass 2	7/8 in. (22 mm) CF 45	7/8 in. (22 mm) CF 45
STC/OITC rating (ASTM E 413/E1332)	upon request	upon request
Visible transmittance (NFRC 200)	76 %	76 %
Light reflection pL ext./int. (CIE 15)	12 % / 12 %	12 % / 12 %
U-factor (Btu/h*sq.ft*deg F) (NFRC 100)	Winter: 0.306 / Summer: 0.313	Winter: 0.223 / Summer: 0.212
Solar heat gain coefficient (NFRC 200)	0,54	0,55
Energy transmission (NFRC)	45%	45%
Door Non-Temp Rise: Max. exposed w x h, a *Height & Width (in; m)*; Area (in²; m²)** *[Based on Intertek Spec ID 84964]*	35-13/16 in. x 95-1/2 in., 3419 sq.in. (910 mm x 2426 mm. 2.2 m²)	35-13/16 in. x 95-1/2 in., 3419 sq.in. (910 mm x 2426 mm. 2.2 m²)
Window, Transom, Sidelight: Max. exp. w x h, a *Height & Width (in; m)*; Area (in²; m²)** *[Based on Intertek Spec ID 84964]*	95-1/2 in. x 95-1/2 in., 3419 sq.in. (2426 mm x 2426 mm. 2.2m²)	95-1/2 in. x 95-1/2 in., 3419 sq.in. (2426 mm x 2426 mm. 2.2m²)

**Height multiplied by width cannot exceed maximum exposed area*
Values based on Planiclear base glass
Shapes: Dimensional tolerances may vary.

© Vetrotech Saint-Gobain | July 2026

vetrotech SAINT-GOBAIN | 4G FACADE

4G FACADE
PO Box 122 / Cedar Rapids IA / 52406
(800) 553-8134
info@4GFACADE.com
4GFACADE.com