

CONTRAFLAM 45 IGU

Fire-Rated Clear Tempered Safety Glass-Exterior Application

CLASSIFICATION



Fire Protective

This glass product can withstand fire exposure to the non-fire side and protects from flames, smoke and hot gases.



Impact Safety

Impact safety rated to meet the highest human impact safety ratings.



Hose Stream

This product has passed the hose stream test.

AVAILABLE OPTIONS



- + Protection
- + Clear view



- + Climate control
- + Extra clear
- + Noise Control
- + Screen



- + Coloring
- + Digital printing
- + Matte finish (for US)
- + Screen printing
- + Shapes



- + Double glazing
- + Solar control
- + Tinting

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

Listed and labeled with UL Solutions
UL File Number R14515

TECHNICAL SPECIFICATIONS

Fire Rating

45 min

US / Canada Standards	UL 9,10B,10C; CAN/ULC S104,S106; NFPA 80,252,257
Building code markings	D-H 45; D-H-T 45; OH 45
Impact Safety Rating	ANSI Z97.1, CPSC 16CFR 1201-CAT II, CAN/CGSB - 12.1-M90
Application	Exterior

Product

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Nominal Thickness	1-3/4 in. (44 mm)
Thickness Tolerance	-0.078 in. to 0.078 in. (-2 mm to 2 mm)
Edge Cover	0.5 in. (12.7 mm)
Weight	13.2 lbs/sq. ft (64.45 kg/sq. m)
STC/OITC rating (ASTM E 413/E 1332)	42 / 33
Visible transmittance (NFRC 200)	69.2%
Light reflection pL ext./int. (CIE)	17.1% / 16.4%
U-Value BTU/(hr*sqft*degF) (NFRC 100)	Winter:0.377 / Summer:0.388
Solar heat gain coefficient (NFRC 200)	0.59
Shading coefficient (NFR 200)	0.68
Energy transmission (NFRC 300)	42.0%
Door, Non-Temp Rise: max exposed w/h/a	30in. x 89-1/2in., 2,685 sq. in. (0.76m x 2.27m, 1.73 sq. m)
Door, Temp Rise: max exposed w/h/a	30in. x 89-1/2in., 2,685 sq. in. (0.76m x 2.27m, 1.73 sq. m)
Windows, Transoms, Sidelites (w/h/a)	95-1/2in. x 95-1/2in., 3,419 sq. in. (2.43m x 2.43m, 2.21 sq. m)

*Height multiplied by width cannot exceed maximum exposed area

**Values calculated using Pilkington Energy Advantage Low-E 1/4 in (6mm) outboard lite with 1/2 in (12.7mm) Steel Spacer

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Product characteristics are subject to change without notice and may vary depending on manufacturing size and composition. Available options are dependent on product type and application. Contact your Vetrotech representative for further support

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