

CONTRAFLAM 90 IGU

Fire-Rated Clear Tempered Safety Glass - Exterior Application

CLASSIFICATION



Fire Resistive

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



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 protect has passed the hose stream test.

AVAILABLE OPTIONS



+ Protection



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



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



- + Double glazing
- + Solar control
- + Tinting

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

Listed and labeled with Underwriters Laboratories Inc.
UL File Number R14515 and R22066
Low-Iron glass available upon request

TECHNICAL SPECIFICATIONS

Fire Rating

90 min

US / Canada Standards	UL 9,10B,10C,263; ASTM E-119; CAN/ULC S101,S104,S106; NFPA 80,251,252,257; LAAR 26129
Building code markings	D-H 90; D-H-T 90; OH 90; W 90; D-H-T-W 90
Impact Safety Rating	CPSC 16CFR 1201-CAT II, CAN/CGSB - 12.1-M90
Application	Exterior

Product

CONTRAFLAM 90 IGU

Nominal Thickness	1-15/16 in. (49 mm)
Thickness Tolerance	-0.063 in. to 0.125 in. (-1.5 mm to 3 mm)
Edge Cover	0.5 in. (12.7 mm)
Weight	18.15 lbs/sq. ft (88.6 kg/sq. m)
STC/OITC rating (ASTM E 413/E 1332)	43 / 36
Visible transmittance (NFRC 200)	65.8%
Light reflection pL ext./int. (CIE)	17.8% / 16.8%
U-Value BTU/(hr*sqft*degF) (NFRC 100)	Summer:0.38 / Winter:0.38
Solar heat gain coefficient (NFRC 200)	0.56
Shading coefficient (NFR 200)	0.65
Energy transmission (NFRC 300)	37.1%
Door, Non-Temp Rise: max exposed w/h/a	35-3/4in. x 88-9/16in., 3174 sq. in. (2.24m x 1.41m, 2.06 sq. m)
Door, Temp Rise: max exposed w/h/a	35-3/4in. x 88-9/16in., 3174 sq. in. (2.24m x 1.41m, 2.06 sq. m)
Windows, Transoms, Sidelites (w/h/a)	88-9/16in. x 88-9/16in., 3174 sq. in. (1.41m x 1.41m, 2.06 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 1/4 in (6 mm) Steel Spacer

***Max Glass Size 41-5/8 in. (W) by 89-3/4 in. (H) or 36-1/4 in. (W) by 92-1/8 in. (H) if installed in VDS Door UL File Number R25396

vetrotech.com

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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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