

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, radiant heat and hot gases.



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 tested

This product has passed a hose stream test.

Available Options



→ Protection



→ Coloring
→ Shapes
→ Digital printing
→ Screen printing
→ Matte finish



→ Double glazing
→ Solar control
→ Tinting



→ Climate control
→ Extra clear
→ Noise reduction

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

US / Canada Standards
Building code markings
Impact Safety Rating
Application

90 minutes

UL 9, 10B, 10C, 263; ASTM E-119; CAN/ULC S101, S104, S106; NFPA 80, 251, 252, 257; LARR 26129
D-H 90; D-H-T 90; OH 90; W 90; D-H-T-W 90
ANSI Z97.1, CPSC 16CFR 1201-CAT II, CAN/CGSB - 12.1-M90
Exterior

Product

Nominal thickness
Thickness tolerance
Edge cover
Weight
STC/OITC rating (ASTM E 413/E1332)
Visible transmittance (NFRC 200)
Light reflection pL ext./int. (CIE)
U-Value BTU (hr*sqft*degF) (NFRC 100)
Solar heat gain coefficient (NFRC 200)
Shading coefficient (NFRC 200)
Energy transmission (NFRC 300)
Door, Non-Temp Rise: max exposed w x h, a
Door, Temp Rise: Max exposed w x h, a
Windows, Transoms, Sidelites w x h, a

CONTRAFLAM 90 IGU

1 15/16 in. (49 mm)
-0.063 in. to 0.125 in. (-1.5 mm to 3 mm)
1/2 in. (12.7 mm)
18.15 lbs/sq. ft. (88.6 kg/sq. m)
43 / 36
65.8%
17.8% / 16.8%
Winter: 0.38 / Summer: 0.38
0.56
0.65
37.1%
35 3/4 in. x 88 9/16 in., 3174 sq. in. (2.24 m x 1.41 m, 2.06 sq. m)
35 3/4 in. x 88 9/16 in., 3174 sq. in. (2.24 m x 1.41 m, 2.06 sq. m)
88 9/16 in. x 88 9/16 in., 3174 sq. in. (1.41 m x 1.41 m, 2.06 sq. m)

*Height multiplied by width cannot exceed maximum exposed area

**Values calculated using Pilkington Energy Advantage Low-E 1/4 in. (6 mm) outboard lite with 1/4 in. (6 mm) steel spacer

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.