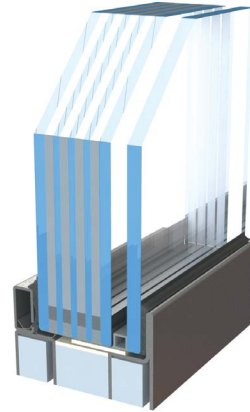


CONTRAFLAM® 90 IGU

Fire-Rated Clear Tempered Safety Glass - Exterior Application

CLASSIFICATION

PRODUCT FEATURES



TECHNICAL SPECIFICATIONS

Fire Rating	90 Minutes
US Testing	UL 9, 10B, UL 10C, UL 263, NFPA 80, NFPA 252, NFPA 257, ASTM E119
Canadian Testing	CAN/ULC-S101, S104, S106
Building Code Marking	D-H-T-90, OH-90, W-90, D-H-T-W-60, D-H-T-W-60
Impact Safety Rating	CPSC 16CFR 1201-CAT II, CAN/CGSB-12.1-M, ANSI Z97.1
Nominal Thickness (in.; mm)	1-15/16" (50 mm)
Thickness Tolerance (in.; mm)	+1/8" to -1/16" (+3 mm to -1.5 mm)
U value BTU/(hr*sqft*degF)	0.33
STC Rating	47
Approx. Visible Light Transmission	70%
Groove (in.; mm)	Depth: 13/16" (21 mm) Width: 2-3/16" (56 mm)
Weight (lbs./ft. ² ; kg/m ²)	17.7 (86.5)

MAXIMUM DIMENSIONS	Window, Transom, Sidelight	Door Non-Temp Rise	Door Temp Rise
Maximum Exposed Height (in; m)*	88-9/16 (2.25)	88-9/16 (2.25)	88-9/16 (2.25)
Maximum Exposed Width (in; m)*	88-9/16 (2.25)	35-3/4 (0.91)	35-3/4 (0.91)
Maximum Exposed Area (in ² ; m ²)*	3,174 (2.05)	3,174 (2.05)	3,174 (2.05)

*Height multiplied by width cannot exceed maximum exposed area.

Low iron glass is available upon request.

Rev. 1.116 The information published in this document is correct at the time of going to press. Such information may be subject to change and products may be modified.