CONTRAFLAM® One 90 US/C IGU

Fire-rated clear tempered interlayered safety glass for exterior applications

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.

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

Hose Stream tested
This product has passed a hose stream test

Available Options

→ Extra clear

→ Patterned glass

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

Technical Specifications

HYBRIDCORE TECHNOLOGY™

Fire Rating	90 minutes
US / Canada Standards	UL 10B. 10C. 263; ASTM E-119; CAN/ULC S101. S104; ASTM E2229; NFPA 252. 257
Building code markings	D-H 90; D-H-T 90; W 90; D-H-T-W-90
Impact Safety Rating	ANSI Z97.1; CPSC 16CFR 1201-CAT II; CAN/CGSB - 12.1-M90
Application	Exterior

Product	CONTRAFLAM® One 90 IGU
Nominal thickness	1-3/4 in. (44 mm)
Thickness tolerance	+1/8" / -3/32" (+3/- 2 mm)
Weight	14,01 lb/sq. ft. (68 kg/m²)
Glass 1	1/4 in. (6 mm) PLANITHERM XN II (low-E coated tempered)
Spacer	1/4 in. (6 mm) Argon
Glass 2	CF90-1 IGU(32mm)
STC/OITC rating (ASTM E 413/E1332)	41 / 35 calculated
Visible transmittance (NFRC 200)	78%
Light reflection pL ext./int. (CIE 15)	11% / 11%
U-factor (Btu/h*sq.ft*deg F) (NFRC 100)	Winter: 0.300 / Summer: 0.308
Solar heat gain coefficient (NFRC 200)	0.54
Energy transmission (NFRC 300)	44%
Door. Temp Rise: Max exposed w x h. a *[Based on Intertek Spec ID 73718]*	36 1/4 in. x 92 1/8 in., 23.19 sq. ft. (920 mm x 2340 mm, 2.15 m²)
Non Loadbearing Wall Assemblies: Max dimensions *[Based on Intertek Spec ID 73711]*	Height/Width: 94-5/8 in. (2400mm); Area: 30.8 sq. ft. (2.86 m²)
Temperature range	-40°C/ +60°C (-40°F / + 140 °F)

Additional Information to CONTRAFLAM 90-1
Values based on Planiclear base glass

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