CONTRAFLAM® One 90 US/C

Fire-rated clear tempered interlayered safety glass for interior 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
Impact safety rated to meet the highest human impact safety ratings.

Hose Stream
This product has passed a hose stream test.

Available Options

→ Extra clear

→ Patterned glass

→ Double glazing

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 E119, E2226; CAN/ULC S101, S104; 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
Application	Interior

Product	CONTRAFLAM® One 90 US/C	
Glass type	Planiclear	Diamant
Nominal thickness	1-1/4 in. (32 mm)	1-1/4 in. (32 mm)
Thickness tolerance	± 5/64 in. (± 2 mm)	± 5/64 in. (± 2 mm)
Weight	10.9 lbs/sq. ft. (53 kg/m²)	10.9 lbs/sq. ft. (53 kg/m²)
STC/OITC rating (ASTM E 413/E1332)	42/40 measured	42/40 measured
Visible transmittance (NFRC 200)	88%	89%
Light reflection pL ext./int. (CIE 15)	8% / 8%	8% / 8%
U-factor (Btu/h*sq.ft*deg F) (NFRC 100)	Winter: 0.830 / Summer: 0.765	Winter: 0.830 / Summer: 0.765
Solar heat gain coefficient (NFRC 200)	0.69	0.72
Energy transmission (NFRC 300)	58%	63%
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)	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)	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)	-40°C/ +60°C (-40°F / + 140 °F)

Additional Information to CONTRAFLAM 90-1
Exterior applications might be possible, please contact us.

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