

CONTRAFLAM® One - 90 IGU

Fire resistant clear 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

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
→ Rectilinear shapes



→ Double/triple glazing
→ Solar control



→ Climate control
→ Extra clear
→ Noise reduction

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

Technical Specifications

HYBRIDCORE TECHNOLOGY™

Fire Rating

US / Canada Standards

Building code markings

Impact Safety Rating

Application

90 minutes

UL 10B, 10C, 263; ASTM E-119; CAN/ULC S101, S104; NFPA 80, 252, 257

D-H 90; D-H-T 90; W 90; D-H-T-W 90

ANSI Z97.1, CPSC 16CFR 1201-CAT II, CAN/CGSB - 12.1-M90

Interior / Exterior

Product**

Nominal thickness

Thickness tolerance

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, Temp Rise: Max exposed w x h, a

Windows, Transoms, Sidelites: w x h, a

CONTRAFLAM One - 90 IGU

1 3/4 in. (44 mm)

± 5/64 in. (± 2 mm)

13.8 lbs/sq. ft. (67.5 kg/sq. m)

44 / 36

74.4%

14.8% / 13.6%

Winter: 0.36 / Summer: 0.37

0.58

0.66

43%

36 1/4 in. x 92 1/8 in., 23.14 sq. ft.
(920 mm x 2340 mm, 2.15 m²)

92 1/8 in. x 92 1/8 in., 23.14 sq. ft.
(2340 mm x 2340 mm, 2.15 m²)

*Height multiplied by width cannot exceed maximum exposed area.

**Values calculated using Cardinal LoE 180 1/4 in. (6 mm) outboard lite with 1/4 in. (6 mm) steel spacer.

Products with PVB films in preparation.

Shapes: Dimensional tolerances may vary.

DoP (Declaration of Performance) for CONTRAFLAM One in preparation.

EPD (Environmental Product Declaration) and HPD (Health Product declaration) for CONTRAFLAM One in preparation.