

CONTRAFLAM® One 90 US/C IGU

Fire rated clear interlayered, tempered 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

US / Canada Standards
Building code markings
Impact Safety Rating
Application

90 minutes

UL 10B. 10C. 263; ASTM E-119; CAN/ULC S101. S104; ASTM E2229; NFPA 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
Exterior

Product

Nominal thickness
Thickness tolerance
Weight
Glass 1
Spacer
Glass 2
STC/OITC rating (ASTM E 413/E1332)
Visible transmittance (NFRC 200)
Light reflection pL ext./int. (CIE 15)
U-factor (Btu/h*sq.ft*deg F) (NFRC 100)
Solar heat gain coefficient (NFRC 200)
Energy transmission (NFRC 300)
Door. Temp Rise: Max exposed w x h. a
[Based on Intertek Spec ID 73718]
Non Loadbearing Wall Assemblies: Max dimensions [Based on Intertek Spec ID 73711]
Temperature range

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1-3/4 in. (44 mm)
+1/8" / -3/32" (+3/- 2 mm)
14,01 lb/sq. ft. (68 kg/m²)
1/4 in. (6 mm) PLANITHERM XN II (low-E coated tempered)
1/4 in. (6 mm) Argon
CF90-1 IGU(32mm)
41 / 35 calculated
78%
11% / 11%
Winter: 0.300 / Summer: 0.308
0.54
44%
36 1/4 in. x 92 1/8 in., 23.19 sq. ft.
(920 mm x 2340 mm, 2.15 m²)
Height/Width: 94-5/8 in. (2400mm);
Area: 30.8 sq. ft. (2.86 m²)
-40°C / +60°C (-40°F / + 140 °F)

Additional Information to CONTRAFLAM 90-1

Values based on Planiclear base glass