

# CONTRAFLAM® LITE 90 Climaplus\*

Fire resistant safety glass for interior and exterior application

## CLASSIFICATION

**EW** = Integrity + Radiation reduction

Ability to withstand fire exposure without transmission of fire to the non-fire side as a result of the passage of flames or hot gases, thereby causing ignition of the non-fire exposed surface or materials adjacent. Also maintains radiated heat in front of the glazing below a specified level to provide for safer separation distances and escape ways.

## PRODUCT FEATURES

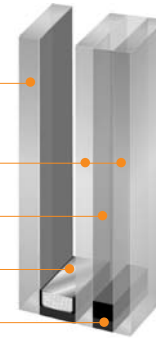
Outer pane with low emission and/or solar control properties

Fire resistant safety glass CONTRAFLAM® LITE 90, 14 mm, 16 mm or 20 mm

Intumescent Interlayer

Spacer

Edge Sealant



## TECHNICAL SPECIFICATIONS

### Fire resistance (EN 13501-2)

Reaction to fire (EN 13501-1)

Maximum Glass Size

Thickness tolerance

Length tolerance

UV stability (EN ISO 12543-4 point 6)

Application Conditions

CE certificate No. of conformity

Hazardous material contained

### EW 90

B-s1, d0

Variable, subject to glass make-up, framing material or glazed element type. Consult with your Vetrotech representative.

+3/-2 mm

±2 mm

In addition to the standard specifications: no formation of bubbles or yellowing after 2000 hours of exposure to radiation.

Avoid prolonged exposure to extreme temperatures. Exterior applications must be supplied as an IGU with Low-E or Solar Control coating. For more information consult your Vetrotech representative or refer to "Quality Guideline, Application Conditions".

0336-CPD-5064D/ID No.\*\* (you can obtain a DoP\*\*\* from your national sales office) - AoC-level 1

None

### Nominal thickness

Glass size per thickness

Outer pane

Spacer

Inner pane

Impact resistance (EN 12600) (outside/inside)

Weight

Sound reduction Rw (EN 140-3)

Light transmission (EN 410)

Light reflection ρL (outside/inside)

U value, W/m<sup>2</sup>K (EN 673)

g value

Energy transmission τE

Energy reflection ρE (outside/inside)

### 34 mm

≤ 1500 mm x 3000 mm

6 mm Planitherm

Ultra N II toughened

14 mm with Argon gas filling

CONTRAFLAM® LITE 90, 14 mm

1 (C) 2/CF: 1 (B) 1 classification

47 kg/m<sup>2</sup>

41 dB\*\*\*\*

75%

12%/12%

1,1

0,56

46%

25%/14%

### 36 mm

≤ 1800 mm x 3500 mm

6 mm Planitherm

Ultra N II toughened

14 mm with Argon gas filling

CONTRAFLAM® LITE 90, 16 mm

1 (C) 2/CF: 1 (B) 1 classification

52 kg/m<sup>2</sup>

42 dB\*\*\*\*

75%

12%/12%

1,1

0,56

46%

25%/14%

### 40 mm

≤ 1800 mm x 3500 mm

6 mm Planitherm

Ultra N II toughened

14 mm with Argon gas filling

CONTRAFLAM® LITE 90, 20 mm

1 (C) 2/CF: 1 (B) 1 classification

62 kg/m<sup>2</sup>

43 dB\*\*\*\*

74%

12%/12%

1,1

0,56

44%

24%/12%

\* in conformance with a 4 mm and 6 mm float and toughened glass; other combinations possible

\*\* ID No. = Identification number for the relevant manufacturing site

\*\*\* Declaration of Performances

\*\*\*\* Reference Value