



CONTRAFLAM[®] MARINE Climaplus

Fire resistant safety glass for interior and exterior marine application

CLASSIFICATIONS

A60 = Integrity + Insulation

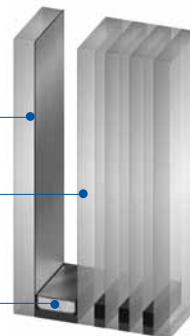
Ability to withstand fire exposure for 60 minutes without transmission of fire to the non-fire side as a result of flames of hot gases, thereby causing ignition of the non-fire exposed surface or materials adjacent. Also it is minimal 60 minutes temperature insulated.

PRODUCT FEATURES

Outer pane
with low emission and/or solar control properties

Fire resistant safety glass
CONTRAFLAM[®] MARINE

Spacer



TECHNICAL SPECIFICATIONS

Fire resistance (IMO A754(18))

Max. Glass Size

Thickness tolerance

Length tolerance

Pressure resistance (ISO 614)

UV stability (EN ISO 12543-4)

MED Certification Method

Hazardous material contained

A60

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

±3 mm

±2 mm

According to punch method of non-destructive strength testing (outer pane)

In addition to the standard specifications:

No formation of bubbles or yellowing after 2000 hours of exposure to radiation

Following to customers fire test. Type approval has to be certified by LR, GL, DNV, BV...

None

Nominal thickness

Max. tested glass size (WxH)

Fire Protection

Outer pane

Spacer

Inner pane

Weight

Sound reduction R_w (En 140-3)

Light transmission (EN 410)

Light reflection (exterior/interior)

U-value (EN 673)

Solar factor g

Energy transmission τ_E

Energy reflection ρ_E (exterior/interior)

45 mm

2500 x 1500 mm

both sides

6 mm Securit[®] KM Ultimate 20-1 coating

12 mm Argon

Contraflam[®] Marine 27 mm

75 kg/m²

NPD*

62%

12%/13%

1,2 W/m²K

0,40

32%

28%/13%

72 mm

2500 x 1500 mm

both sides

25 mm Securit[®]/foils/6 mm Securit[®] KM Ultimate 20-1 coating

12 mm Argon

Contraflam[®] Marine 27 mm

138 kg/m²

NPD*

54%

10%/13%

1,2 W/m²K

0,31

24%

9%/13%

* NPD = No Performance Declared