

SGG CONTRAFLAM[®]

FIRE PROTECTION GLASS



SGG CONTRAFLAM[®]

Innovation characterises Fire Protection glass of the future

Vetrotech Saint-Gobain is one of the leading producers of fire protection glass in the world. The safety properties of our high value glasses goes far beyond fire protection: all of our fire protection glasses are also safety glasses as either toughened or laminated glasses. Multifunctionality is a further plus point of our products: Low-E properties, sound reduction and impact safety are just some of the examples of the many uses and possibilities of our glasses. Designers hold the creative freedom in high esteem, which guarantees every user a high glass transparency. SGG CONTRAFLAM was specifically developed for large pane sizes for use internally and externally.

Clear Advantages

- Can be easily combined with design and performance glasses
- Can be double glazed for UV, sound and thermal protection
- Class A for impact safety
- UV stable from both sides
- Up to 120 minutes fire resistance plus protection from insulated heat
- Available in pane sizes up to 2200 x 3500 mm
- Ideal for emergency exits and escape routes
- Installation and transport advantages due mechanical strength

SGG CONTRAFLAM protects against fire, smoke and toxic gases and forms a protective heat barrier in the event of a fire.



El 30



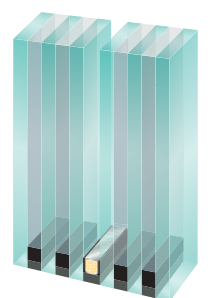
El 30 double glazed



El 60



El 90



El 120

SGG CONTRAFLAM is available for applications from El30 to El120 both single and double glazed



Multifunctional

SGG CONTRAFLAM is a fire protection glass that suits all of your needs.

- Excellent thermal insulation can be achieved for external applications with SGG CONTRAFLAM CLIMAPLUS
- The curved glass SGG CONTRAFLAM CONTOUR is ideal for revolving door entrances
- SGG CONTRAFLAM PRIVACY can be used for privacy
- SGG CONTRAFLAM can be combined with decorative glasses from the SGG DESIGN range.
- As part of a unit or dual glazed system with SGG LITE-FLOOR, SGG CONTRAFLAM can be used for glass floors

Further combinations are possible with individual application development.



***The highest level of safety for every application
Also suitable for curved applications***



Please note – the respective performance and combination possibilities with SGG CONTRAFLAM are dependent on the country specific fire tests and assessments.

Areas of Application

SGG CONTRAFLAM is suitable for both internal and external applications. Due to its excellent fire resistant properties it is ideal for use in emergency exits and escape routes. Other uses include:

- Fire doors
- Emergency exits and escape routes
- Corridors
- Partitions
- Stairwells
- Facades
- Sloped, horizontal and overhead glazing
- Curved glazing

SGG CONTRAFLAM® redefines Multifunctionality

SGG CONTRAFLAM can be used in various timber and profile systems including steel, aluminium and hardwood. The installation of SGG CONTRAFLAM takes place according to current fire testing and may only be carried out by an approved installer.

SGG CONTRAFLAM has been developed for EI classification.



Product Description

Product Description

SGG CONTRAFLAM
Fire protection glass for EI classification

Fire protection properties – Classification

EI30 – EI120
Tested according to EN 1363 and EN 1364
Symmetrical Fire Protection
Forms an opaque protective layer in the event of a fire

Further properties

Robust during handling
The stability against direct and indirect UV rays permanently stops discolouration and deterioration
Immune to moisture and humidity

Further technical data can be found on the data sheets

Behaviour in the event of a fire

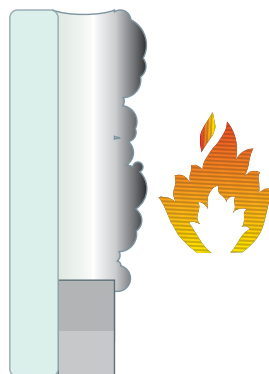
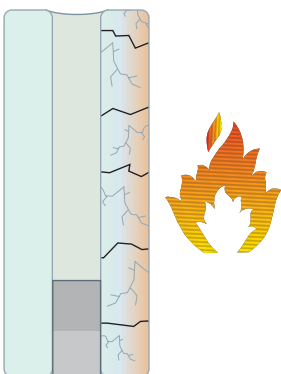
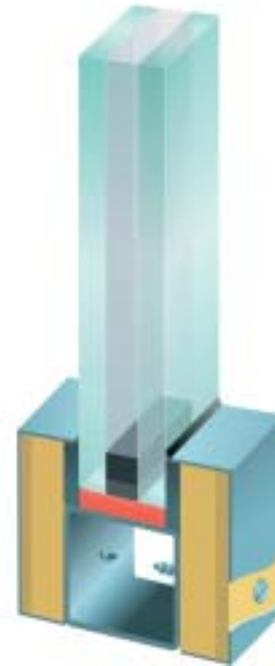
This protective layer limits the amount of conducted and convected heat that is transferred and reduces the temperature on the unexposed side.

Initially the fire causes the glass pane that is towards the fire-side to break due to the stress on the glass.

The interlayer, which is based on nanotechnology, begins to form an opaque insulating protective layer.

Cross section of SGG CONTRAFLAM fire protection glazing with frame and glazing components. The definition and names of the system components can be found in the corresponding fire test.

This protective layer limits surface temperature to rise to 140°C.



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Fire protection and safety

Safety

The normal construction of SGG CONTRAFLAM consists of layers of toughened glass. It can also be constructed with SGG STADIP and SGG STADIP PROTECT for higher safety requirements.

With the use of SGG STADIP SILENCE as part of the make-up or as a double glazed unit, a high sound reduction can be achieved, which ensures excellent user comfort.

Fire tested floor glazing: SGG CONTRAFLAM[®] complies with the highest safety requirements

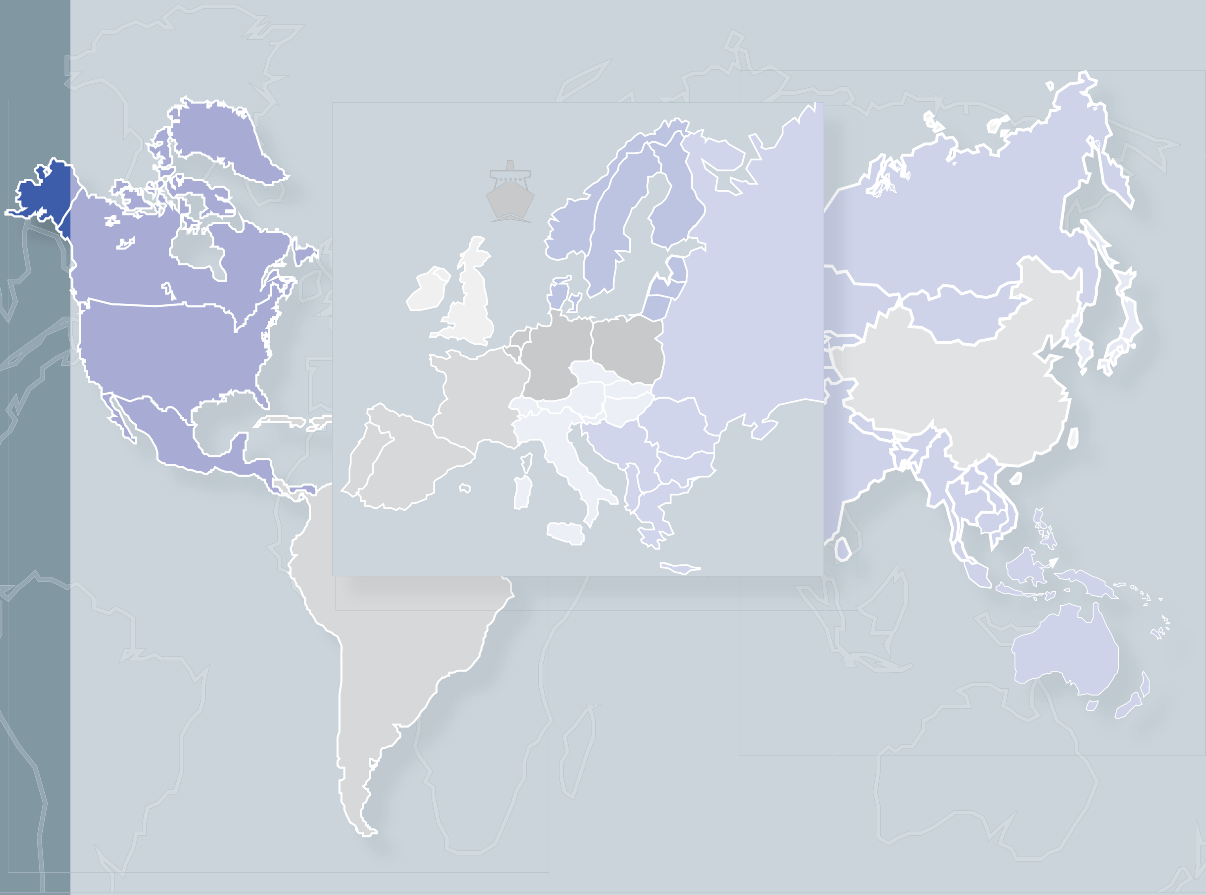
SGG CONTRAFLAM Lite Floor can be used in suitable constructions as walkable floor glazing. Successfully tested for applications up to Elgo with a load bearing of 400kg/m².



SGG CONTRAFLAM®



Worldwide Service



For further information:
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