

SGG CONTRAFLAM<sup>®</sup> LITE

FIRE PROTECTION GLASS



# SGG CONTRAFLAM<sup>®</sup> LITE

## *Our innovation characterises the 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 the 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 LITE was specifically developed for large pane sizes for use internally and externally.



## *Clear Advantages*

- Symmetrical fire protection for E and EW classification
- Suitable for escape routes
- Impact safety to Class A
- Can be used as a double glazed unit for UV, sound and thermal protection.
- UV stable from both sides
- With pane sizes up to 2200 x 3500 it is ideal for large pane sizes
- Installation and transport advantages due to toughened strength

SGG CONTRAFLAM LITE protects against fire, smoke and toxic gases and reduces the radiated heat in the event of a fire.



EW 30 (Ei 15)



EW 30 double glazed unit



EW 60 (Ei 15)



EW 60 double glazed unit

SGG CONTRAFLAM LITE is suitable for applications from EW30 to EW60 as single or double glazing.



### ***Multifunctional***

The fire protection properties of SGG CONTRAFLAM LITE can be added to with further functions depending on the area of installation.

- SGG CONTRAFLAM LITE CLIMAPLUS stands out during external application due to the excellent thermal insulation
- For the combination of thermal insulation and UV protection, SGG COOL-LITE can be used
- SGG CONTRAFLAM LITE may also be combined with decorative glasses from the SGG DESIGN product range

Further combinations are possible by individual application development. Fire tests in independent test institutes guarantee that all safety requirements are met.

### ***Robust during installation and transport due to toughened glass properties***

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

# Areas of application

SGG CONTRAFLAM LITE can be used internally as well as externally. It can be used for the following applications:

- Escape routes
- Partitions and doors
- Corridors
- Stair well glazing
- Facades
- Overhead glazing
- Skylight glazing

## *Ideal for large pane sizes*

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



SGG CONTRAFLAM LITE has been developed specifically for EW classification.



# Product description

## Product name

SGG CONTRAFLAM LITE  
Fire protection glass for E and EW classification

## Fire Protection Properties – classification

E30 and EW30 as well as EW60 and EI 60/15  
Tested according to EN 1363 and EN 1364  
Reduction of radiated heat  $\leq 5\text{kW/m}^2$  for 30 minutes up to a distance of 1 metre  
 $\leq 5\text{kW/m}^2$  for 60 minutes up to a distance of 1 metre  
Symmetrical fire protection  
Forms an opaque protective layer in the event of a fire

## Further characteristics

The stability against direct and indirect UV rays permanently stops discolouration and deterioration  
Immune to moisture and humidity  
Partially insulating up to EI 15

Further technical information can be found in the data sheets.

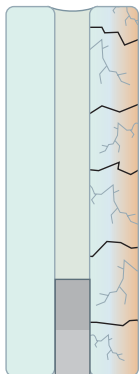
## Behaviour in the event of a fire

The glass seals off an area, so that in the event of a fire the passage of flames, smoke and gases will be prevented. The amount of radiated heat will be significantly limited.

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 protective layer.

This protective layer limits the amount of radiated heat that is transferred and reduces the temperature.



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



# SGG CONTRAFLAM<sup>®</sup> LITE

*Fire protection and safety*

## **Safety**

The normal construction of SGG CONTRAFLAM LITE 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.

***Safety advantages due to the reduction of radiated heat – achieves EI 15 classification!***

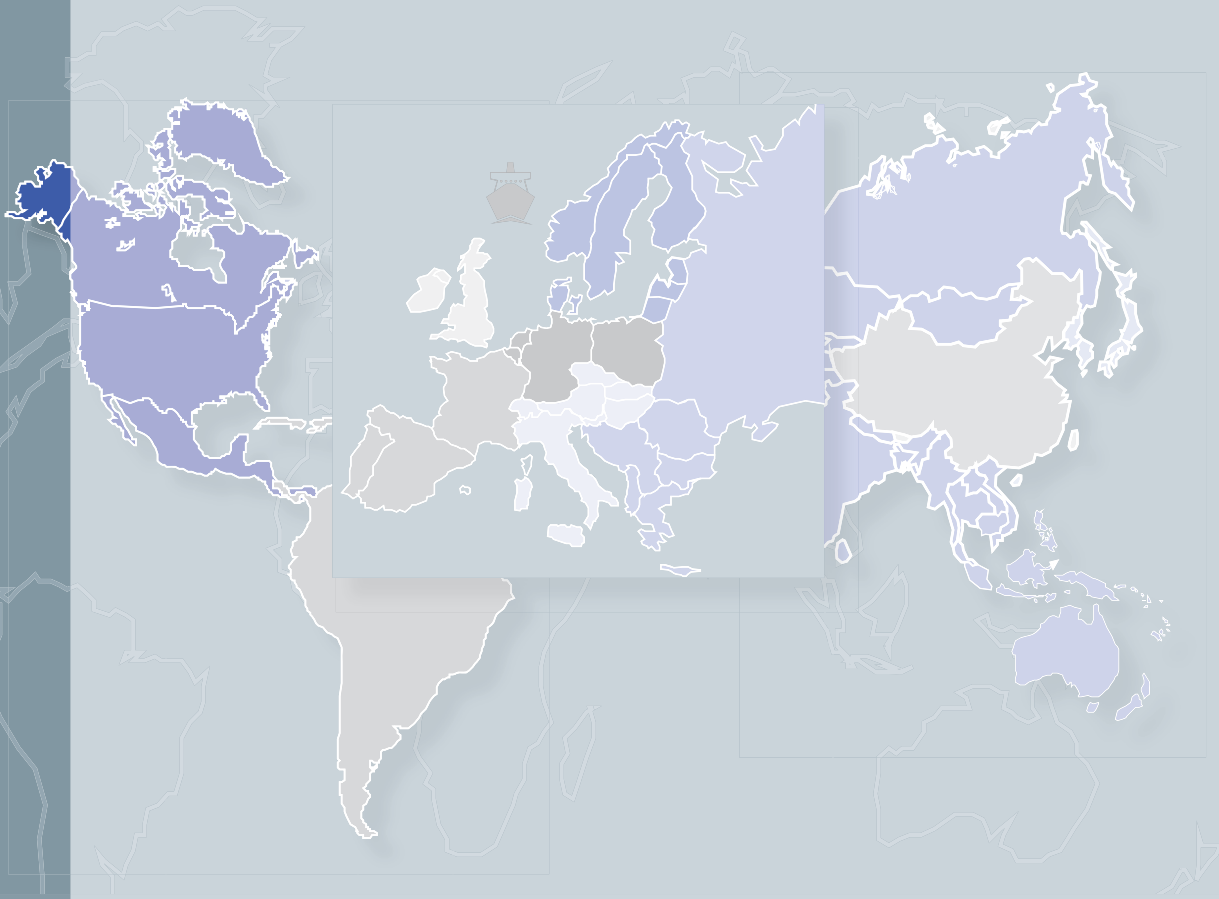
Technical and commercial support begins with advice. The specialists from Vetrotech Saint-Gobain are happy to help you choose the right fire protection glass from our product range with the required classification, for your particular system. We can work together as partners and share knowledge and experience to carry out successful fire tests. The technical experts for Vetrotech Saint-Gobain can help you put together the right components and develop systems to carry out tests in our own specifically designed furnaces.



SGG CONTRAFLAM® LITE



# Worldwide Service



For further information:  
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