

SGG SWISSFLAM[®] LITE

FIRE PROTECTION GLASS



SGG SWISSFLAM[®] 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. Thanks to the exceptional clarity and stability they can be used for large applications.

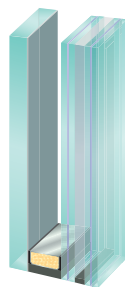
Clear Advantages

- Offers Class A for impact safety as a laminated safety glass
- Symmetrical fire protection for E and EW classification
- Becomes opaque in the event of a fire
- Suitable for escape routes
- Can be used as a double glazed unit for UV, sound and thermal protection
- UV stable from both sides

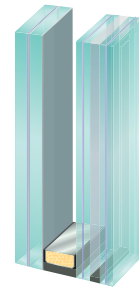
SGG SWISSFLAM LITE protects against fire, smoke and toxic gases and reduces the amount of radiated heat in the event of a fire.



EW 30



EW 30 double glazed unit



EW 30 laminated double glazed unit

SGG SWISSFLAM LITE is suitable for applications for EW30 as single or double glazing.



SGG SWISSFLAM® LITE

Multifunctional

The fire protection properties of SGG SWISSFLAM LITE can be enhanced with many other functions.

- SGG SWISSFLAM LITE CLIMAPLUS excels in external application due to the excellent thermal insulation values
- SGG SWISSFLAM LITE PRIVACY is ideal for privacy and UV protection

- SGG SWISSFLAM LITE may also be combined with decorative glasses from the SGG DESIGN range

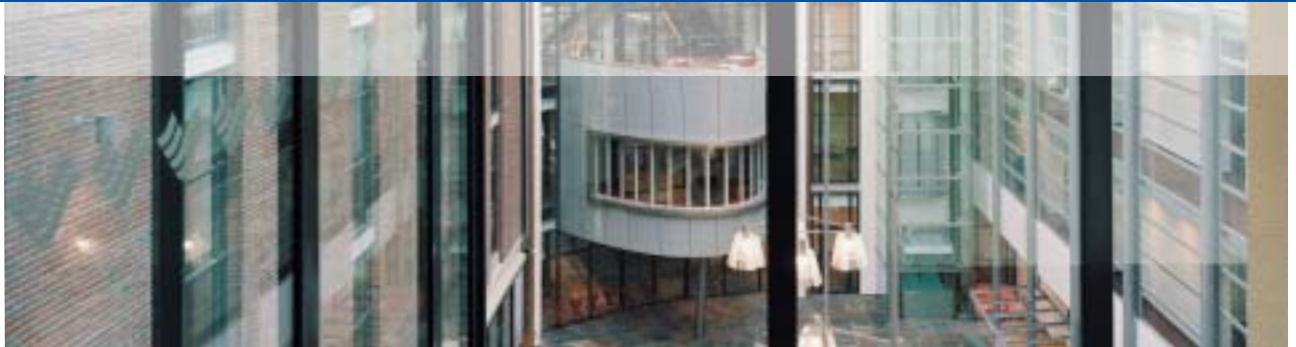
Further glass combinations are possible by individual application development. Fire tests in independent test institutes guarantee that all safety requirements are met.

Combining safety with acoustic control and thermal insulation

SGG SWISSFLAM LITE in combination with SGG STADIP SILENCE and SGG CLIMAPLUS

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

Areas of application



SGG SWISSFLAM LITE is suitable for use internally and externally. Due to the exceptional fire protection properties it is ideal for use in emergency exits and escape routes. It can be used in the following applications:

- Escape routes
- Partitions and doors
- Stair well glazing
- Facades

Ideal for use in escape routes

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

SGG SWISSFLAM LITE has been developed specifically for EW classification.



Product description

Product Name

SGG SWISSFLAM LITE
Fire protection glass for EW classification

Fire Protection Properties – Classification

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

Further Characteristics

Class A for impact safety
Stability against direct and indirect UV rays resists discolouration and deterioration
Partially insulating up to EI 15
Immune to moisture and humidity

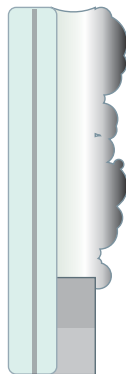
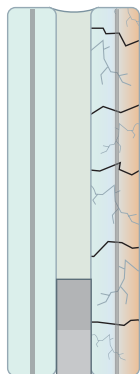
Further technical information can be found in the data sheets.

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.



Cross section of SGG SWISSFLAM 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.

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



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Fire protection and safety

Safety

The normal construction of SGG SWISSFLAM LITE consists of layers of laminated safety glass. It therefore offers impact safety, anti-bandit properties and sound reduction. With SGG STADIP SILENCE enhanced sound reduction offers protection from noise pollution and as a result creates high user comfort.

Achieves EI 15 classification

Our daily challenge: The development of new solutions for new applications

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 from Vetrotech Saint-Gobain can help you put together the right components and develop systems to carry out tests in our own specifically designed furnaces.

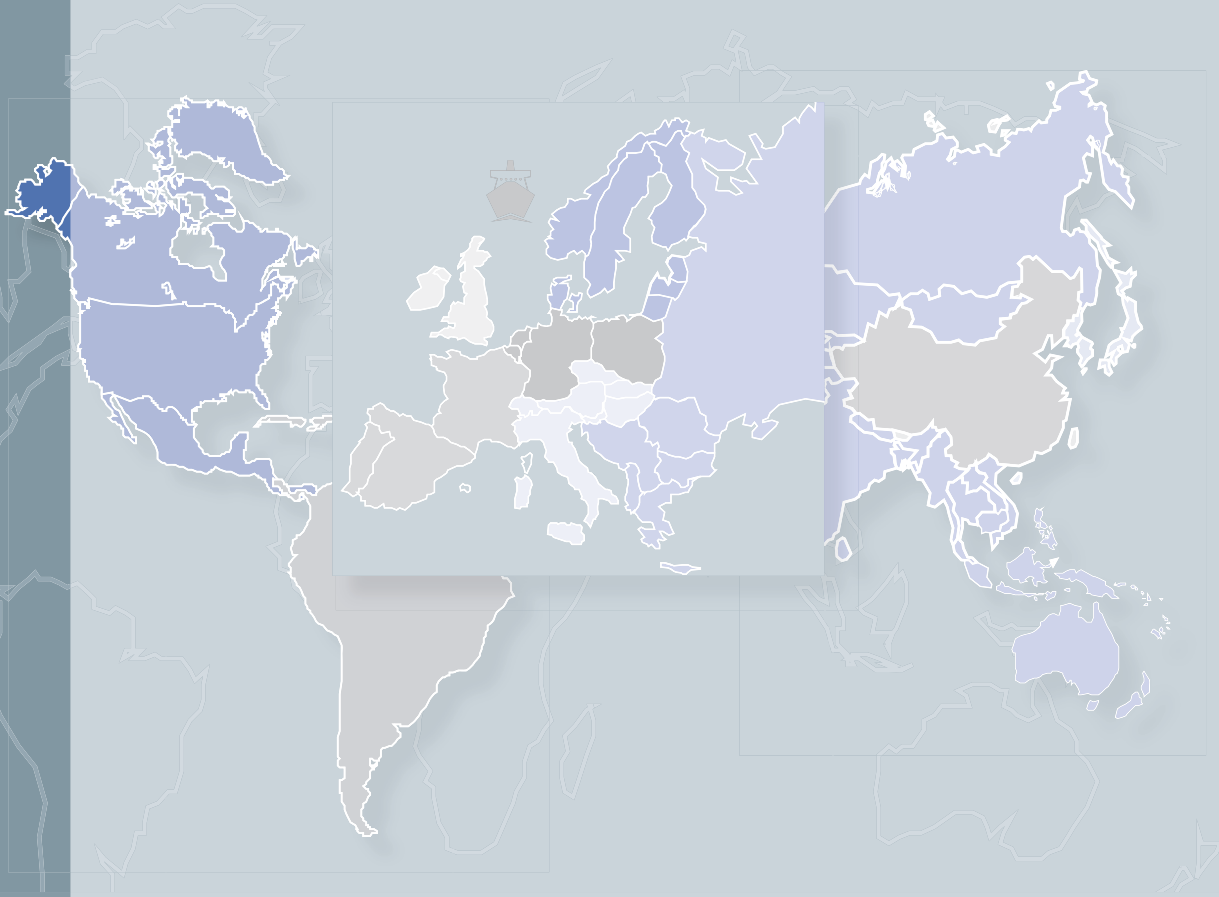


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VETROTECH SAINT-GOBAIN

Worldwide Service



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