

SGG SWISSFLAM®

FIRE PROTECTION GLASS



SGG SWISSFLAM[®]

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. Safety is one of our highest priorities, therefore our fire protection glasses are also always safety glasses. Multifunctionality is one of the further demands that our glasses meet. They can be easily combined with other glass products from the Saint-Gobain range. Most of our products effortlessly meet the demands of modern design as well as offering a high glass transparency. With its high optical quality SGG SWISSFLAM is the perfect solution for flexible and short deliveries when the highest level of safety is required.



Clear Advantages

- Class A for impact safety as a laminated safety glass
- High sound reduction properties
- UV stable from both sides
- Can be used as a double glazed unit for UV and thermal protection
- Available up to a pane size of 2200 x 3500 mm

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



EI 30



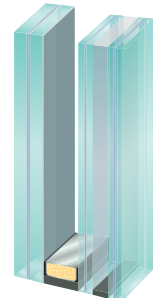
EI 60



EI 30 double glazed



EI 60 double glazed



*EI 30 double glazed
with laminate*

SGG SWISSFLAM is suitable for applications for EI30 to EI60 as single or double glazing.



The highest possible level of safety for internal and external applications

Multifunctional

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

- SGG SWISSFLAM CLIMAPLUS excels in external application due to the excellent thermal insulation values

- SGG SWISSFLAM PRIVACY is ideal for privacy and UV protection
- SGG SWISSFLAM 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.



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

Areas of application

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

- Emergency exits and escape routes
- Fire doors
- Partitions
- Corridors
- Stair well glazing
- Facades

SGG SWISSFLAM® protects both people and objects effectively from fire

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



SGG SWISSFLAM has been developed specifically for EI classification.



Product description

Product Name

SGG SWISSFLAM
Fire protection glass for EI classification

Fire Protection Properties – Classification

EI30 to EI60
Tested according to EN 1363 and EN 1364
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
Immune to moisture and humidity

Further technical information can be found in the data sheets

Behaviour in the event of a fire

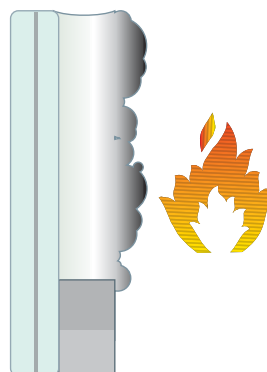
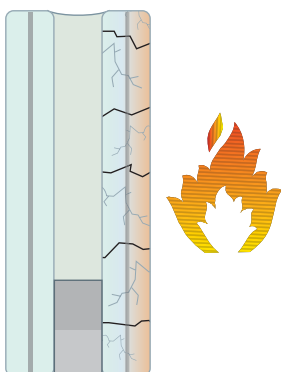
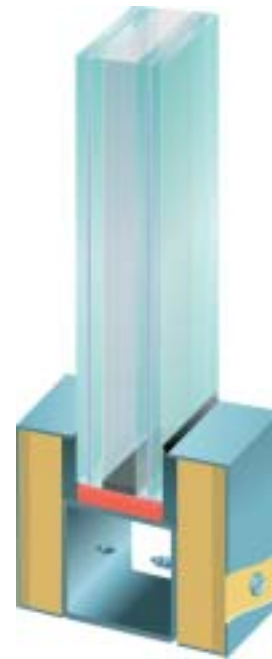
This protective layer limits the amount of conducted and convected heat that is transferred and reduces the temperature on the unexposed side.

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 reduced.

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

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

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





Safety

The normal construction of SGG SWISSFLAM 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.

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

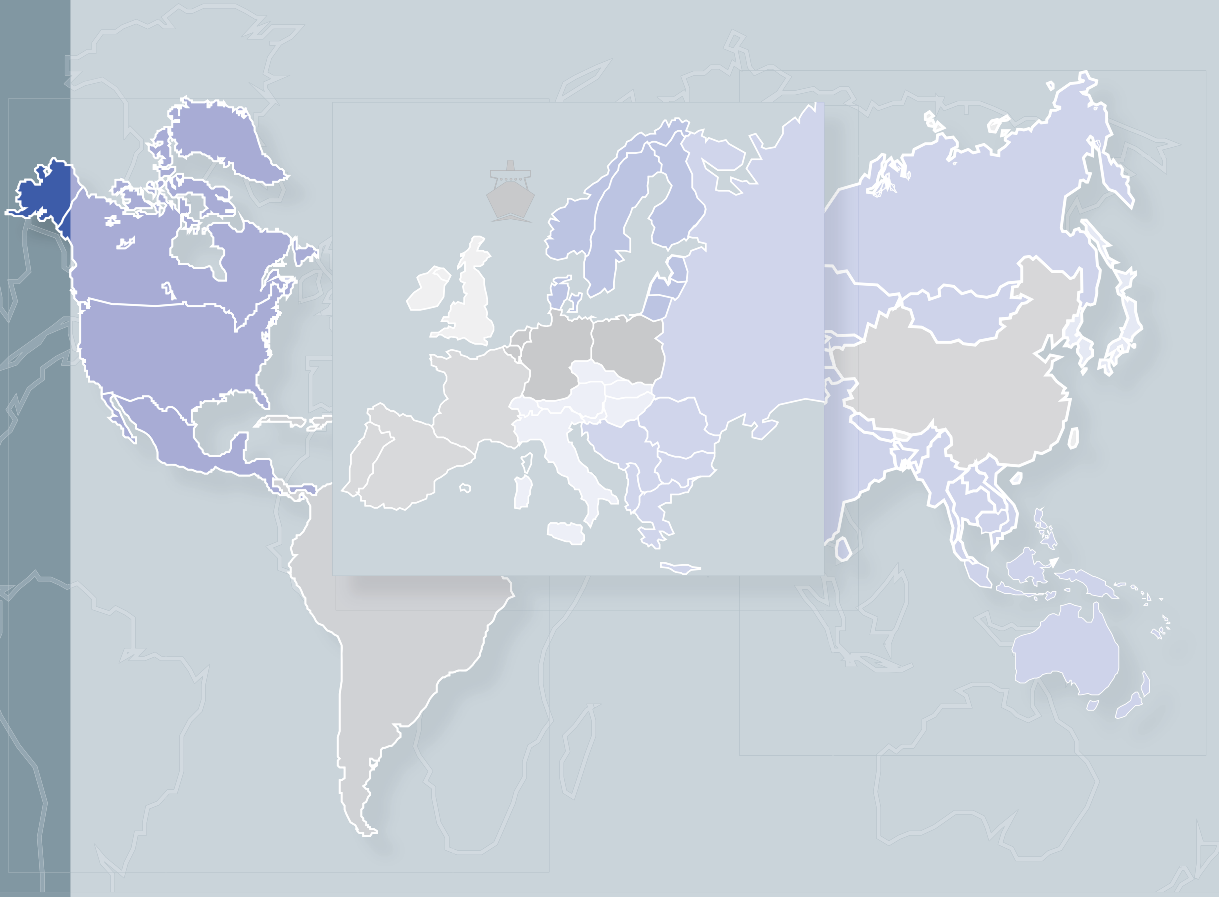
Technical and commercial support begins with advice. The specialists from Vetrotech Saint-Gobain are happy to help you choose the right fire protection glass from our product range with the required classification, for your particular system. We can work together as partners and share knowledge and experience 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.





VETROTECH SAINT-GOBAIN

Worldwide Service



For further information:
www.vetrotech.com

■ **VETROTECH SAINT-GOBAIN
INTERNATIONAL AG**

Stauffacherstrasse 128
CH-3000 Bern 22
Tel. +41 31 336 81 81
Fax +41 31 336 81 19
infoVSGI.vetrotech@saint-gobain.com
www.vetrotech.com


SAINT-GOBAIN
GLASS


VETROTECH
FIRE RESISTANCE
Saint-Gobain
Glass Solutions

**VETROTECH SAINT-GOBAIN
INTERNATIONAL AG**

Stauffacherstrasse 128
CH-3000 Bern 22
Tel. +41 31 336 81 81
Fax +41 31 336 81 19
infoVSGI.vetrotech@saint-gobain.com
www.vetrotech.com

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