

SGG **SWISSFLAM® LITE**

*Fire protection: Class EW fire-resistant glass*

Technical Sheet  
United Kingdom

# SGG SWISSFLAM® LITE

## *Fire protection: Class EW fire-resistant glass*

### Description

SGG SWISSFLAM LITE is a fire-resistant glass, which meets the criteria to be flameproof and impervious to gases for category EW.

SGG SWISSFLAM LITE consists of two sheets of laminated safety glass, each 5.5 mm in thickness, which are encapsulated by a specialist transparent intumescent interlayer. In the event of a fire, the glazing limits the maximum heat flow therefore protecting flammable materials behind the wall.

SGG SWISSFLAM LITE meets the optional criterion W for categories EW 30.

### Applications

SGG SWISSFLAM LITE can be used for internal and external applications. With a resistance of 30 minutes, SGG SWISSFLAM LITE is ideal for vision panels in doors and glazed partitions.

- it is suitable for use in timber frames
- it can be installed in double-glazed units for internal or external applications.

### Advantages

SGG SWISSFLAM LITE is a clear, transparent glass. The intumescent interlayer is UV stable and does not discolour with time.

- In the event of a fire, the gel opacifies forming an insulating barrier which substantially reduces the transmittance of radiant heat.
- SGG SWISSFLAM LITE is available in large sizes.
- The glazing has the same mechanical and safety performance as SGG STADIP laminated safety glass.
- SGG SWISSFLAM LITE can be used in wooden frames.
- SGG SWISSFLAM LITE is available on a short lead-time.



*SGG SWISSFLAM LITE EW 30/60 in single-glazing*

Range

Single-glazing

- SGG SWISSFLAM LITE is available as clear glass. The overall thickness is 13 mm.

Double-glazing

SGG SWISSFLAM LITE can be assembled into double-glazed units for external applications and can be combined with:

- solar control glazing from the SGG COOL-LITE, SGG ANTELIO or SGG PARSOL range
- low-emissivity products from the SGG PLANITHERM range for enhanced thermal insulation.

Performance

For single and double-glazed units

SGG SWISSFLAM LITE has a fire resistance of 30 minutes.

Product		SGG SWISSFLAM LITE(1)	
Single glazing		EW 30	
Thickness	mm	13	
Weight	kg/m²	30	
Light factor			
LT	%	88	
LRe	%	8	
LRi	%	8	
UV	%	2	
Energy factor			
T	%	64	
Re	%	7	
A1	%	7	
A2	%	29	
Solar factor g		0,72	
Shading Coefficient		0,83	
U-value	W/(m².K)	5,1	
Sound reduction indices			
R>w	dB	40	
C	dB	0	
C>tr	dB	-3	
R>A	dB	40	
R>A,tr	dB	37	

(1) Temperature limitations, -10° to + 45°

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## Installation Guidelines

- sGG SWISSFLAM LITE must be installed in strict accordance with the fire test certification and current national standards and regulations.
- sGG SWISSFLAM LITE must not be used near to heating systems.
- Consideration should be given to the temperature limits for the product: - 10° to + 45°C (minimum and maximum temperatures permitted for the intumescent interlayer). Please contact VETROTECH SAINT-GOBAIN UK for more information.



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## Standards and Regulations

The characteristics of sGG SWISSFLAM LITE have been tested in compliance with BS EN 476-22. sGG SWISSFLAM LITE will receive CE marking when this is applicable. For all other questions, please contact our technical departments or visit [www.vetrotech.com](http://www.vetrotech.com)