

SGG CONTRAFLAM<sup>®</sup> LITE

*Fire Protection: Class E or EW fire-resistant glass*

Technical Sheet  
United Kingdom

# SGG CONTRAFLAM<sup>®</sup> LITE

## *Fire Protection: Class E or EW fire-resistant glass*

### Description

SGG CONTRAFLAM LITE is a fire-resistant glass. It meets the criteria of being flameproof and impervious to gases for category EW. SGG CONTRAFLAM LITE consists of two sheets of toughened safety glass which are separated by a transparent gel. In the event of a fire, the glazing limits the maximum heat flow and therefore protects flammable materials that are behind the wall. These characteristics give SGG CONTRAFLAM LITE the optional criterion W for categories EW 30, EW60, EW90 and EW120.

The overall thickness of the glass is determined by the fire protection level that is required.

### Applications

- SGG CONTRAFLAM LITE is designed for structures which, in the event of a fire, have to meet the criteria of being both flameproof and impervious to gases for a period of 30 minutes (class EW 30) to 120 minutes (class EW 120).
- SGG CONTRAFLAM LITE can be used for internal applications as a single glazed unit for doors and glazed partitions with wooden or steel frames. Subject to current test evidence.
- SGG CONTRAFLAM LITE is also an impact-resistant safety glass. When assembled into a double-glazed unit, it can be used for internal or external applications. Solutions tested and certified include screens and doors in combinations ranging from EW 30 to EW120, with wooden or insulated steel frames, and even aluminium-based frames, depending on the required performance level.

### Advantages

- SGG CONTRAFLAM LITE is a clear, transparent glass. The gel is UV stable and does not discolour with time. In the event of a fire, the gel becomes opaque and acts as an insulating shield. This barrier ensures that the thermal radiation does not exceed 15 kW/m<sup>2</sup>, which corresponds to classes EW 30 to EW 120. If it exceeds 60 minutes, the glass forms an impervious barrier, which is smokeproof, flameproof and resistant to toxic gases.
- SGG CONTRAFLAM LITE has been tested and is available in large sizes. (Certificates of approval are available.)
- In addition to its resistance to fire, SGG CONTRAFLAM LITE also acts as a safety glass and has the mechanical performance of toughened glass.
- SGG CONTRAFLAM LITE can be combined with several other products for multi-functional glazing (e.g. bullet-resistant glazing).

## Range

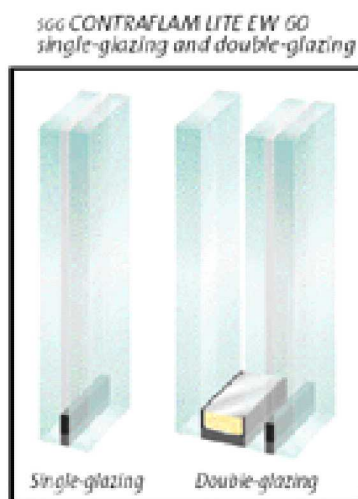
### Single glazing

SGG CONTRAFLAM LITE is available as clear glass with an overall thickness starting at 13 mm (EW 30).

### Double glazing

For double-glazed units, SGG CONTRAFLAM LITE 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. SGG CONTRAFLAM LITE is also available in timber frames double-glazed with integrated blinds.



## Performance

For single and double-glazed units, SGG CONTRAFLAM LITE has a fire resistance of 30 minutes to 120 minutes depending on its composition. For more information on the performance, visit [www.vetrotech.com](http://www.vetrotech.com).

Product		SGG CONTRAFLAM LITE
Single glazing		
Thickness	mm	14
Weight	kg/m <sup>2</sup>	26
Light factor		
LT	%	84
LRe	%	8
LRi	%	8
UV	%	45
Energy factor		
T	%	64
Re	%	7
A1	%	7
A2	%	29
Solar factor g		0,72
Shading Coefficient		0,88
U-value	W/(m <sup>2</sup> .K)	4.9
Sound reduction indices		
R>w	dB	37
C	dB	-2
C>tr	dB	-2
R>A	dB	35
R>A,tr	dB	35

(1) Temperature limits permitted -10°, + 45°

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## Installation Guidelines

- sGG CONTRAFLAM LITE must be installed in accordance with the appropriate fire test certification and current national standards and regulations.
- sGG CONTRAFLAM LITE must not be installed near heating systems. Care must be taken to observe the temperature limits for the application range of between - 10° and + 45°C (minimum and maximum temperatures permitted for the gel).
- For more information, please contact VETROTECH SAINT-GOBAIN UK.



*TELENOR, Norway*

## Standards and Regulations

The characteristics of sGG CONTRAFLAM LITE are tested in compliance with BS EN 476-22. sGG CONTRAFLAM LITE will receive CE marking when this is applicable.