

TECHNICAL DATA SHEET

SX FLAMEGUARD FIRE RETARDANT SILICONE

A one part Alcoxy Cure Silicone for sealing fire retardant joints. This product is neutral and almost odourless. After application the silicone cures with atmospheric moisture to form a durable rubber seal.

Conforms to BS476 part 20 & BS476 Part 22.

USES: For perimeter pointing and filling of fire related structures. Vapour seals in fire rated claddings, sealing between curtain walling and main structure. Sealing high movement construction joints. Sealing assemblies of glass, laminated glass, glazed surfaces, aluminium and many other metals, unplasticised plastics like polycarbonates, acrylics, polyester, polystyrene sheets and most PVCu, painted wood, concrete and brickwork.

COLOUR: White

PACKAGING: 310ml cartridge packed 1 x 12

PREPARATION

Surfaces must be clean, dry and sound. Priming is not normally required for common surfaces but if in doubt an adhesion test is recommended.

APPLICATION

Cut the cartridge seal and screw on the nozzle which should be cut to your required size. Using a skeleton gun, apply the sealant into the gap or joint ensuring a good solid fill.

FINISHING

Always tool down using a spatula or stick wetted with soapy water within 5 minutes of application. It is the user's responsibility to dispose of all packaging correctly.

HEALTH & SAFETY

Keep out of the reach of children. Safety Data Sheet available for professional user on request. Dispose of empty packaging correctly.

SX FLAMEGUARD FIRE RETARDANT SILICONE TECHNICAL DATA SHEET CONTINUED

LIMITATIONS

Among others not recommended for locations subject to continuous immersion and not for aquaria, PE, PP, Teflon, wax containing surfaces and bituminous surfaces. Adhesion tests prior to application are recommended. It is the users responsibility to determine suitability.

LIABILITY

The information given is the result of our tests and experience and is believed to be accurate and reliable. However, as Siroflex Limited cannot know all the uses its products may be put to, and as application methods are out of our control it is the users responsibility to determine suitability of use.

TECHNICAL DATA	DIMENSION	SX FLAMEGUARD FIRE RETARDANT SILICONE
Basis		alcoxy silicone
Application Temperature	°C	+5/ +40
Application Rate	g/ min	200
Flow	mm	<2
Density	g/ml	1,40
Skin over time	min	25
Frost resistant till -15°C during transport		yes
Shelf life between +5°C and +25°C	month	12
Paintable after curing		no
Joint movement capability	%	± 25
Temperature resistance after curing	°C	-40/+120
<i>Mechanical properties</i>		
<i>2mm film</i>		
Shore-A hardness (3s)	DIN 53505	24
100% Modulus	DIN 53504	MPa (N/mm ²) 0,40
Tensile strength	DIN 53504	MPa (N/mm ²) 1,80
Elongation at break	DIN 53504	% 700
FIRE RATING PROPERTIES		
42mm width, 12mm depth	BS472 part 22	min 60
20mm width, 25mm depth	BS472 part 22	min 240
50mm width, 10mm depth	BS472 part 20	min 250
20mm width, 15mm dept	CSTB	min 320
in glazing	NEN 6069	min >65
SPECIFICATION		
United Kingdom		BS476 part 20 & BS476 part 22
JOINT DIMENSIONS		
Minimum width		4 mm
Maximum width		25 mm

Full health and safety data information can be downloaded from www.siroflex.co.uk.

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