

TECHNICAL DATA SHEET

SX FLAMEGUARD FIRE RETARDANT SILICONE

A neutral curing silicone which has excellent adhesion to most building surfaces without primer. Designed to be used in areas where heat and fire resistance is required, with up to 4 hours of fire resistance. Prevents the spreading of fire, smoke and toxic gases. Fire resistance tested according to EN 1366-4. Suitable for use outdoors and is water, weather and UV resistant. Accommodates movement up to 25%.

USES: For perimeter sealing and pointing of fire related structures. Vapour seals in fire rated cladding. Sealing between curtain walling and main structure, high movement construction joints, fire retarding glazing systems and cap beading. Sealing joints where spreading of fire, smoke, water or toxic gas is imminent.

COLOUR: White

PACKAGING: 310ml cartridge (packed 1 x 12)

DIRECTIONS - Surfaces must be clean, dry and free from dust, grease and other loose material. Adheres perfectly without the use of a primer to most non porous substrates, but if in doubt, an adhesion test is recommended. 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. If required place masking tape along the edges removing within 5 minutes of application. Tool using a spatula or stick wetted with neutral soapy water within 5 minutes of application.

HEALTH & SAFETY – This product contains a preservative against microbial deterioration. Contains: 2-octyl-2H-isothiazol-3-one (CAS: 26530-20-1) Contains 2-butanone oxime, 3-aminopropyltriethoxysilane. May produce an allergic reaction. Safety data sheet available on request. Keep out of the reach of children. Do not take internally. Use only in well ventilated areas. If after inhalation one feels unwell then supply fresh air. After any skin contact wash off immediately. After eye contact wash open eye for several minutes under running water. If any symptoms persist consult a doctor and take the cartridge with you. Dispose of empty packaging responsibly.

LIMITATIONS - Among others not recommended for use on PE, PP, PC, PMMA, PTFE, neoprene and bituminous substrates. Not recommended for locations subject to continuous water immersion. Discolouration can occur in dark places and by contact with chemicals. Not paintable. Adhesion tests prior to application are recommended. It is the user's responsibility to determine suitability. Store between +5°C and +25°C in cool, dry conditions.

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 that its products may be put to and as application methods are out of our control, it is the user's responsibility to determine suitability of use.

TECHNICAL DATA	DIMENSION	SX FLAMEGUARD FIRE RETARDANT SILICONE
Basis		Neutral Oxime
Application Temperature	°C	+5 - +40
Application Rate - 3mm/6.3 bar	g/min	140
Flow - ISO 7390	mm	<2
Density	g/ml	1.24
Skin over time - 23°C/ 55% RH	min	10
Frost resistant up to -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	-50 - +120
Mechanical properties - 2mm film		
Shore-A hardness (3s) - DIN 53505		20
100% Modulus - DIN 53504	MPa (N/mm ²)	0.40
Tensile strength	MPa (N/mm ²)	1.22
Elongation at break - DIN 53504	%	635
SPECIFICATION		
European standard		EN 1366-4
JOINT DIMENSIONS		
Minimum width		5 mm
Maximum width		25 mm

Click [here](#) for full Health and Safety information.

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