

# TECHNICAL DATA SHEET

## SX FLAMEGUARD INTUMESCENT ACOUSTIC SEALANT

SX Flameguard Intumescent Acoustic Sealant is a one component highly qualified emulsion-based sealant for fire retarding constructions. The product will transfer into a foam above +200°C. The product is almost odour free and is not corrosive towards metals. After application the product forms a tough rubber by evaporation of water from the sealant.

### USES

Especially for indoor joints where high demands are to be met as a fire retardant seal to prevent the passage of fire and smoke. Shows good adhesion on most building materials like concrete, brickwork, airtreated concrete, painted wood, anodised aluminium and PVCu. Perimeter pointing around door and window frames, concrete and brickwork. Joints between floors and ceilings, around pipe and cable work. Also joints in fire retardant constructions in buildings, domestic housing and sea going vessels.

**COLOUR:** White

**PACKAGING:** 310ml cartridge packed 1 x 12

### PREPARATION

Surfaces must be clean, dry and sound. Use diluted intumescent acoustic sealant as a primer for highly porous surfaces. Adhesion tests prior to the application are recommended.

### APPLICATION

Gun sealant firmly into the joint to provide a solid fill. If required use masking along the edges and remove within 5 minutes of application. Sealant may be tooled down using a spatula or a stick wetted with water. It is the user's responsibility to dispose of all packaging correctly.

**Joint dimensions do have an effect on the fire retarding properties. The deeper the joints are sealed the better the fire retardant properties.**

## SX FLAMEGUARD INTUMESCENT ACOUSTIC SEALANT TECHNICAL DATA SHEET CONTINUED

### HEALTH & SAFETY

Safety data sheet available for professional user on request. Dispose of empty packaging correctly.

### LIMITATIONS

Among others not recommended for locations subject to continuous water immersion and not for PE, PP, Teflon and bituminous surfaces. Painting over with highly filled emulsion paints can cause cracks in the paint film. 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 INTUMESCENT ACOUSTIC SEALANT
Basis		acryl emulsion
Application temperature	°C	+5/+40
Flow	ISO 7390 mm	<2
Density	g/ml	1,6
Skin over time	23°C/55%RF	5
Frost resistant till -15°C during transport		no
Shelf life stored between +5°C / +25°C	month	12
Paintable after curing		yes
Solids	%	80
Joint movement capability	%	+/-10
Temperature resistance after curing	°C	-20/ +75
<i>Mechanical properties</i>		
<i>2mm film</i>		
Shore-A hardness (3 s)	DIN 53505 Mpa	50
100% modulus	DIN 53504 (N/mm <sup>2</sup> )	0,5
Elongation at break	DIN 53504 %	350
<b><u>Fire rating properties</u></b>		
Between concrete/concrete	Integrity Seal A min	360
	Insulation Seal A min	268
<b><u>Fire rating specification</u></b>		
United Kingdom	BRE report 220965	BS476: part 20: 1987
<b><u>Joint dimensions</u></b>		
minimum width	mm	4
maximum width	mm	25

Full health and safety data information can be downloaded from [www.siroflex.co.uk](http://www.siroflex.co.uk).

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