

TECHNICAL DATA SHEET

SX POLYFLEX HM 50FC

A one component moisture curing, paintable, high modulus polyurethane sealant or adhesive. Has excellent adhesion to most building substrates, is fast curing with permanent and durable elasticity and is non-staining to brickwork. Has first rate resistance to water and UV rays and has permanent elasticity under all climate conditions.

Conforms to ISO 11600 F-25M

USES

For interior and exterior waterproof joints in building and metal constructions. For gluing, sealing, mounting and anchoring in building applications. For expansion joints in industrial floors and periphery of swimming pools.

COLOURS: White, Black, Grey

PACKAGING: 310ml cartridge packed 1 x 12
600ml foil packed 1 x 12 (white & grey only)

PREPARATION

Surfaces must be sound, clean, dry and free from oil and grease. Any residues must be thoroughly removed prior to application of sealant. Priming is not usually necessary – most substrates only require priming if testing indicates a need or where sealant will be subjected to water immersion after curing.

APPLICATION

Gun sealant firmly into joint to provide a solid fill, making sure no air is trapped behind. If required place masking tape along edges, removing within 10 minutes of application.

FINISHING

Always tool down within 10 minutes of application using a tick wetted with soapy water. Clean any excess sealant immediately with white spirit. It is the user's responsibility to dispose of all packaging correctly.

SX POLYFLEX HM 50FC TECHNICAL DATA SHEETS CONTINUED

HEALTH & SAFETY

HARMFUL

Contains Diphenylmethane-4,4'-di-isocyanate. May cause sensitisation by inhalation. Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Keep out of the reach of children. Do not breathe vapour. In case of accident or if you feel unwell, or if swallowed, seek medical advice immediately and show this label or container. In case of accident by inhalation, remove casualty to fresh air and keep at rest. Contains isocyanates – See information supplied by the manufacturer. This information is supplied in the present safety data sheet. Dispose of empty packaging correctly.

LIMITATIONS

Avoid exposure to high levels of chlorine. Avoid contact with alcohol and other solvent cleaners during curing process. Do not apply in the presence of curing silicone sealants. Sealant may bubble if applied in a high moisture vapour environment. Slight yellowing may occur with white sealant if exposed to ultraviolet rays. 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 POLYFLEX HM 50FC
Basis		polyurethane based compound
Consistency		non-sag paste
Application temperature	°C	+5/+30
Density	g/ml	1,15 TO 1,17 depending on colour
Tack free time	23°C & 50% R.H. min	15
Curing speed	23°C & 50% R.H. mm/day	4
Slump		none
Shelf life stored between +5°C /-25°C	months	12
Paintable after curing		yes
Temperature resistance	°C	-30/+80
Shore-A hardness	°	50
E-modulus at 100%	MPa	0,70
Elongation at break	%	>300
	width	depth
Minimum joint width	4mm	
Maximum joint width	25mm	
Maximum joint depth		20mm
Joint connection	4-8mm	6mm
	10-12mm	8mm
	14-16mm	10mm
	18-20mm	12mm
	22-25mm	14mm

QUANTITY ESTIMATOR

Width x depth of joint, x length (in linear metres) of joint, divide this by the volume of tube = number of cartridges required.

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