



Tradies Choice – SAS FLEX FC

SAS FLEX FC CONSTRUCTION PU SEALANT

SAS FLEX FC is a one-component, medium-modulus polyurethane sealant that cures on exposure to atmospheric humidity. It possesses excellent adhesion to all typical construction materials such as cement based materials, brick, ceramic, glass, wood, galvanized and painted sheet iron and various plastics.

■ FEATURES & BENEFITS

- Possesses permanent elasticity
- 25 % movement capability
- No surface tackiness after full cure.
- Do not pick up dirt
- No shrinkage
- Cures bubble-free
- Enhanced storage stability
- No sagging – Thixotropic
- Can be applied with hand gun and tooled easily
- Paintable with most water based paints, but test before use.
- UV resistance



APPLICATION AREAS

- Expansion joints between many different construction materials
- Movement and connection joints in floors
- Indoor and outdoor applications for pedestrian and traffic areas
- Joints between prefabricated construction materials
- Sealing and bonding of ventilation ducts, gutters and spouts etc.
- For expansion joints between pre-cast concrete panels

INSTRUCTIONS

- Before application, be sure that joint surfaces are clean, dry and free of all contamination,
- Apply sealant evenly, If necessary, use masking tape and remove the tape while the sealant is still soft,
- Joint width/depth ratio should be 2:1 (Table 1),
- If necessary, use back up material to adjust joint depth,
- Sealants should adhere to only two surfaces of the joint: Use backer rods and bond breakers to facilitate.



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Disclaimer: The information supplied is to the best of SAS knowledge and is true and accurate. The application of the product is beyond SAS control and any alleged failure or damage must be inspected by a representative from SAS. All workman ship must be carried out in accordance with AS 3958.1-2007.



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Consumption (approx.) Joint width	15 mm	20 mm	25 mm	30 mm	35 mm
Joint Depth	8 mm	10 mm	12 mm	15 mm	15 mm
Joint length / 600 ml	5 meters	3 meters	2 meters	1,3 meters	1,1 meters

Surface Preparation

Following cleaning procedure and materials are recommended:

Glass	Degrease with alcohol or MEK
Aluminum, light alloys and stainless steel	Degrease with alcohol or MEK
Other Metals	Lightly abrade then degrease as above
Wood	Lightly abrade surface then remove dust
Plastics	Degrease using an agent recommended by plastics manufacturer
Concrete and other alkaline Surfaces	Brush and remove dust

STANDARDS

- Meets or exceeds the requirements of the following specifications:
- The requirements of VOC content specifications in LEED credit EQc4.1 "Low-emitting products" of SCAQMD rule 1168.
- The French VOC requirements for class A+
- CE marked for EN 15651 for façade applications.
- BS 6920 for the metallic water soluble impurities.



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PROPERTIES

BEFORE CURING

Basis	: Polyurethane		
Consistency	: Thixotropic		
Curing Mechanism	: Moisture Curing		
Density	: 1,20±0,03g/ml		
Tack free time	: 30-70 min (23°C and 50% R.H)		
Curing Rate	:Min 2.5mm day(23°C and 50% R.H)		
Sagging	0 mm		(EN ISO 7390)
Temperature Resistance	: -40°C to +90°C		
Application Temperature	: +5°C to +40°C		

AFTER CURING

Hardness Shore A	: 35-40	After 28 days	(ASTM C661)
Paintability	: Yes *		
Elastic Recovery	: ≥ 70%		(ISO 7389)
Glass-Glass			
E100 Modulus (23 °C)	: 0.35-0.40 N/mm ²		(ISO8339)
E100 Modulus (-20 °C)	: ≤ 0,60 N/mm ²		(ISO8339)
DUMBLE TEST			
Elongation at break	: ≥ %600		(ASTM D412)
Tensile Strength	: 1.5-2.0 N/mm ²		(ASTM D412)



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RESTRICTIONS

- It must not be used in totally confined spaces where sealant cannot cure due to lack of atmospheric moisture.
- Do not use in applications where continuous water immersion is possible.
- Do not apply on frozen or wet surfaces or through standing water.
- Prolonged exposure to direct sunlight can cause discoloring,
- Avoid application below 5 °C and above 40 °C.
- Contact with bitumen, tar or other plasticizer releasing materials such as EPDM, neoprene, butyl, etc. is to be avoided since it can give rise to discolouration and loss of adhesion.
- Do not apply or allow to cure in the presence of uncured silicone sealants, alcohol- or solvent cleaners.
- When using different reactive joint sealants, the first joint sealant must be completely hardened before the next one is applied

PACKAGING

- 600 ml Sausages 20 per ctn
- Colour Grey



Shelf Life

12 months if stored in its original package, away from direct sunlight and moisture, between +10 °C and + 25 °C



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