

SMAC[®]

ELASTOSEAL SF

TECHNICAL DATA SHEET

DESCRIPTION

SMAC[®] ELASTOSEAL SF 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.

PROPERTIES

- Possesses permanent elasticity
- No sagging - Thixotropic
- No surface tackiness after full cure. Do not pick up dirt
- No shrinkage
- Can be applied with hand gun and tooled easily
- Paintable



APPLICATIONS

- Used for bonding various construction materials and as sealing joint.
- Metal to Metal
- Concrete to Concrete
- Wood to plastic
- Metal to Concrete
- Metal to plastic



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

CONSUMPTION (approx.) Table 1

Joint Width	15 mm	20 mm	25 mm	30 mm	30 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

STORAGE AND SHELF LIFE

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

PACKAGING :

600ml, Sausage

TECHNICAL PROPERTIES

Basis	:	Polyurethane
Consistency	:	Thixotropic
Curing Mechanism	:	Moisture Curing
Density	:	1,20±0,03 g/ml
Tack free time	:	60±10 min (23°C and 50% R.H)
Curing Rate	:	Min. 2 mm/day (23°C and 50% R.H)
Temperature Resistance	:	-40°C to +70°C
Application Temperature	:	+5°C to +40°C
Hardness Shore A	:	40 ± 5
Paintibility	:	Yes *
Elastic Recovery	:	≥ 70%
Movement Capability	:	35%
Elongation at break	:	≥ %400
Tensile Strength	:	2-2,5 N/mm ²

*Considering the diversity of paint base and quality, compatibility tests should be done before application.

RESTRICTIONS

- Avoid application below 5 °C and above 40 °C
- Do not apply on frozen or wet surfaces or through standing water

Disclaimer: The information given in good faith is based on our in-house testing & site results. However, we do not guarantee the same as the conditions of actual use are beyond our control.

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