

Proflex SL

One Component, Low Modulus, Self-Leveling Silyl-Terminated Polyurethane Sealant

Description	It is a versatile one-component, Silyl-terminated polyurethane sealant with a low modulus for sealing building joints. It cures with atmospheric moisture to form a durable rubber seal. Proflex SL complies with the following standards: ASTM C920, Type S, Grade P, Class 25, Use T, NT, and TT.S - 00230 C Type1 Class A
Where to use	For Horizontal Expansion Joints in Concrete and Cementitious Slabs as: • Garages & Drive Ways. • Balconies, Terraces & Plazas. • Airports & Hangers. • Factories. • Warehouses & Pavements.
Advantages	• Excellent adhesion. • Good chemical resistance. • Pintable. • Outstanding aging & weathering • Pourable & self-leveling. • Resistance to seawater & sewage • Standard grey & other colors are available • Resistant to jet fuel and hydraulic liquid. • Easy to use. • Eco-Friendly.
Properties	
Application temperature	+5°C / +30°C
Density	1.25 gm/cm ³
Frost resistance	Up to -40°C
Joint movement capacity	±25 %
Temperature resistance	-40°C / +80°C
Shore A hardness	37 ±1
100% Modulus	0.4 MPa
Tensile strength	1.5 - 2 MPa
Adhesion to concrete	0.8 - 1 MPa
Elongation at break	600 - 700%
Tack Free Time	1 - 2 hours
Final Cure	3 - 5 days

How to use	• All surfaces must be clean, dry and sound. • Use a primer Sealer E43 for better bonding (if necessary).
Application	• It is applied directly from the cartridge. • Finish with fresh clean water. • For backup use Kemrod to adjust the width to depth dimensions and to prevent bond to joint base. • Pour sealants into joints in one direction. • Allow the sealant to flow and level out.
Limitation	• It's not recommended for glazing and not for aquaria, PE, PP, and Teflon • It's not paintable with alkyd resin paints • Do not apply the material on moist surfaces or not painted woods • Do not tool with detergent or soap solution • For continues immersion in water allow sealant to cure for 7 days • Do not use for sloped surfaces • To avoid bubbling, do not apply in low temperature or on wet surfaces or high weather humidity • Do not use with Bitumen or Asphalt
Cleaning	Clean all tools & equipment with Prosolve PU immediately after use.
Joint configuration	• Min. width 6 mm • Max. width 25 mm • Min. depth 6 mm. • Max. depth 13 mm. • Width : Depth 2:1
Theoretical Coverage	3 Lm/Cartridge 600 MI for joints (10 × 20 mm)
Packaging	Cartridges of foil pack 600 ml.
Shelf life & Storage	6 months if stored properly in original unopened packaging.
Health and Safety	• Use goggles, Gloves and breathing mask when applying. • Applied forced ventilation in confined spaces. • Skin splashes to be removed with hand cleaner, soap and water. • Eye splashes to be washed with plenty of water. • If ingested seek medical advice.
Additional Information	PROKEM provides the construction industry with a comprehensive range of construction chemicals and specialty products answering the queries of modern engineers for trouble free durable structure. PROKEM designs tailor made products should there be critical application that requires specific properties rather than our main range. For our customer's satisfaction. PROKEM reserves the right to change the properties of its products. All orders are accepted subject to our current term of sale & delivery. Users must always refer to the most recent issue of the local product data sheet for the product concerned, copies of which will be supplied on request. PROKEM extends technical services to include after-sales support to assist users in the proper handling of our products.