Quality Needs Quality

Proflex LM

A Versatile, One Component, Low Modulus, 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 LM**/ special grade is designed for sealing joints in airports runways, terminal ramps, hangers, transportation storage areas, and other areas where the various fuels and liquids may come into contact with sealant after curing. It complies with the following standards: ISO 11600 F-25 LM, DIN 18540 & ASTM C920, Type S, Grade NS, Class 100/50, use T, NT, O, M, G, I, A, C 719, 794, 1248, and D 412 **Proflex LM is approved by the National Organization For Potable Water & Sanitary Drainage for drinking water and sewerage applications**
Where to use	• Expansion and joint sealing to precast concrete, brickworks, and masonry • Water tanks and water features • Sewerage tanks • Parameter and curtain wall sealing • Glass, glazed surfaces, aluminum, steel, stainless steel & plastics rubber seal • UPVC and painted wood joints • Concrete flooring • Air ports runways, terminal ramps, and hangers • Adhesive for PIR, PUR & EPS Insulating foam boards • Transportation storage and other areas where various fuels and hydrocarbons come into contact with the sealant after curing
Advantages	• Good adhesion without primer & chemical resistance • Paintable • outstanding aging & weathering • Non-sag & Resistance to sea water & sewage • Non-stain or change color of granite, marble, bricks nor concrete • Standard grey & other colors are available • Resistant to jet fuel, hydrocarbons and hydraulic liquid • Low VOC, Eco friendly • Resistant to fire & smoke spread (Special version)

Properties			
Density	1.5 ±0.05 gm/ml		
Joint movement capacity	+100/-50 %		
Temperature resistance	-30 °C - +90 °C		
Chemical resistant to jet fuel @ 50 °C for 7 days	No effect		
Shore A hardness	25 ±5		
100% Modulus	0.4 MPa		
Tensile strength	1.41 - 1.47 MPa		
Elongation at break	800 - 1000%		
Adhesion to concrete	0.97 - 1.17 MPa		
VOC	8.79 gm/l	**LEED NC-2016, IEQC 4.1, LEM**	
Curing rate / Time	1 mm/day 23 °C	Initial Final	1 hour 23 °C 7 days 23 °C
Adhesion in peel Glass/Aluminum/Concrete	50 N 0% Adhesion Loss		

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How to use	• All surfaces must be clean, dry, and sound • If necessary, use a primer • Protect joint sides with self-adhesive tape • Joint must be straight in line with sharp edges and regular dimensions
Limitations	• It is not recommended for glazing and not for aquaria, PE, PP, and Teflon • It is not paintable with alkyd resin paints • Do not apply the material on moist surfaces or not painted wood • Do not tool with detergent or soap solution
Joint configuration & Coverage:	• Min. width 4 mm • Max. width 30 mm • Width: Depth / 1:1 to 2:1
Theoretical coverage	600 ml / 6 Lm for a joint 10 mm × 10 mm
Packaging	Cartridges of foil pack 600 ml
Shelf life & Storage	12 months if stored properly in original unopened packaging
Cleaning	Clean all tools & equipment with **Prokem** special solvent immediately after use
Health and Safety	• Use goggles-gloves and a breathing mask when applying • Apply forced ventilation in confined spaces • Remove splashes from the skin with a hand cleanser or soap and water • Eye splashes are to be washed with plenty of water
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