

Proflex LM / PRO

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 / PRO 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, SNJF C cat 1, UBATC, DIN 18540 & ASTM C920, Type S, Grade NS, Class 25, Ose T, NT, O, M, G, I, ASTM C719, 794, D 412, D2240 T.& SS-S- 200E & ISO 10545.

Where to use

- Expansion and joint sealing to precast concrete, brickworks, and masonry.
- Parameter and curtain wall sealing.
- Glass, glazed surfaces, aluminum, steel, stainless steel & plastics rubber seal.
- UPVC and painted wood sealants.
- Concrete Flooring.
- Transportation storage areas.

Advantages

- Good adhesion.
- Good chemical resistance.
- Pintable.
- Outstanding aging & weathering.
- Non-sag.
- Resistance to sea water & sewage.
- Standard grey & other colors are available.
- Resistant to jet fuel and hydraulic liquid.
- Resistant to fire & smoke spread (Special version)

Properties

Application temperature	+5°C/+30°C
Density	1.6 ±0.05 gm/ml
Joint movement capacity	±25 %
Temperature resistance	-30°C / +90°C
Shore A hardness	25 ±5
100% Modulus	0.4 N/mm ²
Tensile strength	1.8 - 1.9 N/mm ²
Adhesion to concrete	0.78 - 0.84 N/mm ²
Elongation at break	700 - 800 %
Adhesion in the peel to concrete	47.8 N

How to use	• All surfaces must be clean, dry, and sound. • For normal exposure and on normal absorbent concrete substrates, the use of the primer is not required. • If the sealant is immersed or high stresses are to be taken, the use of the primer Sealer E43 is highly recommended to promote adhesion.
Application	• It is applied directly from the cartridge. • Finish with fresh clean water. • For backup use closed-cell polyethylene rods Kemrod
Cleaning	Clean all tools & equipment with Prosolve immediately after use
Packaging	Cartridges of foil pack 600 ml.
Joint configuration	• Min. width 4 mm • Max. width 30 mm • Width : Depth / 1:1 to 2:1
Theoretical Coverage	6 LM/cartridge 600 ml for joints 10*10 mm
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.