

Proflex

Joint Sealing System for Joint & Cracks

Description	Proflex is a joint sealing system composed of two products: Proflex A is a highly elastic rot-proof & chemical resistant sealing modified PVC membrane, while Proflex B is a solvent-free, two-component epoxy-based mortar filled with selected fine filler used as an adhesive and repair mortar.	
Where to use	• Sealing construction joint, expansion joint, connecting joints & cracks • Cement-pipe connections • Sealing of irrigation, very large expansion & unconventional joint • Basements, sewage treatment plants • Swimming Pools & tunnels	
Advantages	• Flexible • Weather proof & UV Resistant • Waterproof • Chemically resistant • Rot resistant & Nontoxic • Durable & Excellent adhesion	
Properties	It complies with ASTM D638, C882,1247,48	
Component	Proflex A	Proflex B
Specific Gravity @ 23 °C		1.8 ±0.1
Tensile strength	14 - 15 N/mm ²	20 N/mm ²
Elongation at break / Shear Strength	400 - 500%	2180 Kg (D 16mm)
Accelerated weathering	pass	-
Gel time @ 25 °C	-	60 minutes
Full cure at 25 °C		7 days
Bond strength		Concrete: 4 - 5 N/mm ² Steel: 15 - 20 N/mm ²
How to use	Concrete, stone & steel surface must be sound, clean dry and free from oil, grease & laitance	
Mixing	Mix Proflex B thoroughly with a low-speed mixer till a homogeneous mix is obtained	
Application	• Apply Proflex B on both sides of the joint or crack along the length with a serrated trowel or spatula with enough width (40 – 50 mm) on each side with a thickness of (1-2 mm) • Place the Proflex A tape into the adhesive layer and press firmly with a roller • Use masking tape for cracks and narrow joints and remove them before applying the epoxy adhesive • Connections and over-laps can be easily done by welding with a hot air blower • Substrate & Ambient Temperature +10 / +30 °C & R.H <85% • Apply final epoxy adhesive layer thickness of 1mm in full width of the tape and extended on both sides with a width <10 cm • Do not cover the middle part above the joint with Proflex B	

Theoretical coverage	Proflex B , epoxy adhesive: 1.25 – 1.5 Kg/L.m Proflex A , tape: 20 - 33 cm width with 1 mm thickness
Packaging	Proflex A : 20 LM rolls (1mm. thickness) Proflex B : 5 & 20 Kg (two components)
Shelf life & Storage	12 months in its original unopened packs in a suitable condition
Cleaning	Clean all tools & equipment with Prosolve EP immediately after use
Health and Safety	• Use gloves when handling dry powder • Do not breathe dust • Use a particle mask • Eye contamination must be washed immediately with clean 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