

Proflex PU2

Two Component Polyurethane Sealant

Description	It is a two-component polyurethane sealant, it is pourable, cold applied & contains no pitch or tar. With a special grade for vertical applications on request It complies with ASTM C920 U Type M, Grade P, Class 50, Uses T, NT	
Where to use	• It is to seal induced and movement joint to withstand traffic, chemical attack, and heat at the following: • Food & Metal processing industries • Engineering industries • Chemical and pharmaceutical plants • Airports, petrol stations, bridge joints	
Advantages	• Resistant to chemicals, oils, hydraulic fluids, fuels & jet blasts • Wear resistant, Weather & UV resistant • Excellent adhesion, flexibility & elasticity • Easy to apply	
Properties		
Density	1.30 ±0.1 kg/l	
%Elongation at break	73% – 100%	ASTM D412
Tensile strength	1.6 – 1.8 N/mm ²	ASTM D412
Shore A hardness	30 – 31	ASTM C661
Adhesion and Cohesion under cycle movement 50%	3.2 cm ² loss in band area	ASTM C719
Viscosity @24°C (base & curing agent)	< 150 Pa.s	
Pot life @23°C	30 minutes	
Light traffic @23°C	24 Hours	
Full traffic @23°C	3 Days	
How to use	• It is vital to ensure successful application and performance that all surfaces to be sound, clean and dry • Remove any grease, oil or contaminations completely	
Mixing	• Mix two components at the supplied ratios using a slow-speed stirrer (400 rpm) for 1-2 minutes	
Application	• Fill joints at temperature between 5 - 32 °C, High temp. will decrease pot life & accelerate curing • Apply a primer Wetseal PU if needed to the substrate with a brush leave to dry for 1 hour • Ensure free movement of the joint by installing a backing material • While the primer is tacky pour the mixed sealant to fill the joint flush to the surface • Use a spatula to remove trapped air • The sealant can be applied on angled surfaces up to 2% without slumping • Use Kemrod to adjust depth • Remove self-adhesive tape from joint sides after curing	
Theoretical coverage	260 g/ Lm for joint's Width: Depth 20: 10 mm respectively Min. width 10 mm Max. width 30 - 50 mm	

Packaging	5 & 20 Kg (A + B) cans
Shelf life & Storage	6 months if stored properly in original unopened packaging
Cleaning	All tools should be immediately cleaned with Prosolve PU
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