

Kempatch / PU

Polyurethane Elastomeric Patching Concrete

Description	It is a 3 components polyurethane patching material with rubber and filler aggregates. It is for repairing of airport runways, highways, bridges, floor joints and cracks with thickness (2 cm to 10 cm) complies with ASTM D-2240, D-695, D-471, D-3029 & D-412
Where to use	• For repairing of joints and cracks in flooring for the following applications: • Airport run-ways. • Bridge decks. • High ways • Filling steel joints & around steel/concrete sections.
Advantages	• High load bearing capacity Anti Spalling. • Excellent adhesion to steel and concrete. • Impact resistant. • High compressive strength. • Chemical resistant. • Water Tight. • Easy to install. • Flexible.
Properties	
Density	1.2 ±0.1 Kg/ltr.
Tensile Strength	42 Kg /cm ²
Compressive Strength	56 - 100 kg /cm ²
Elongation	25 %
Impact	>3 m with no signs to cracks
Hardness (Shore D)	50
Bond Strength	14 - 28 kg /cm ²
Initial Setting Time	10 hours
Final Setting Time	7 days
Surface Preparation	Saw cut, chip or mill areas to be repaired to reach sound concrete. Sandblast all areas in contact with repair material. Repair areas must be sound, clean and dry. Prime all areas with Sealer E43/E45 or Wetseal for wet concrete with brush. Leave to dry overnight.
Mixing	Mix Part A & B thoroughly. Add Part C to (A+B) and mix for 1 minute.
Application	Pour the product and trowel in place to get a textured finish. Use (EPS) foam panels for expansion joints.
Cleaning	Clean all tools after use with Prosolve PU .
Theoretical coverage	12 kg /m ² / 1 cm thickness.
Packaging	3 components (A, B&C) comes in 5 & 20 Kg
Shelf life & Storage	6 months in its original packs stored at recommended conditions.
Health and Safety	Use gloves to avoid contact with skins. If skin comes in contact, wash immediately with soap and water. Do not use solvents. Eye contamination must be immediately washed with water, then seek medical treatment. Working areas should be well ventilated.
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 a proper handling of our product.

