

Decaproof

Liquid Applied Polyurethane Elastomeric Roof Coating

Description	It is a water base liquid applied one component polyurethane coating It is a fast cure, waterproofing elastomeric coating. It creates a moisture barrier, UV resistant, weathering resistant and flexible coating.
Where to use	• Concrete roofs. • Metal roofs. • Wood roofs. • Tiles & old roofing membranes. • Balconies & Patios. • Plaza decks. • Roof top (Re-Creationable areas).
Advantages	• Fast Cure, Solvent free. • UV-Stable. • Waterproof & water vapor permeable. • Excellent adhesion. • Crack bridging & Flexible at temperature from -40 °C /+90 °C. • Excellent weather and UV –resistance. • Eco-friendly. • Resistant to fire & smoke spread (Special version).
Properties	
Density	1.3 ±0.05 gm/cm ³
Vol. Solids %	60 %
Pot life @ 25 °C	40 minutes
Recoating time @ 20 °C	Min. 6 hours Max. 48 hours
Curing time @ 25 °C	7 Days
Tensile strength	3 N/mm ²
Elongation	500 %
Weather resistance	50 hours-one year
Shore A Hardness	80
Adhesion strength	2 N/mm ²
Water absorption	0.9 %
Abrasion Resistance	25 mg loss
	Resistance to 1 m. column water pressure show no leak (BS EN 1928) It complies with ASTM D-2240, ASTM D- 903, ASTM D -471, ASTM D -412, A STM E-108
Surface Preparation	• Surfaces must be clean, sound and dry, free from any contaminations (max. moisture content 5 %). • Old loose roofing must be removed by grinding machines. • Any surface irregularities must be smoothened.
Mixing	• Premix in its container. • Mix thoroughly with low speed mixer for 2 minutes .

Application	• Prime the substrate with Sealer E43, Bonding Primer in case of dry surfaces or Wetseal, for wet surfaces, and for metal surfaces Kemprim M or Kemprime AL can be used • Allow to dry overnight. • Repair cracks or joints with the material mixed with a dry filler to a butter consistency. • Apply the coating with roller or airless spray until the surface is covered and leave 6 – 48 hours' intervals between coats • Apply another one or two more coats. • Leave to dry for 24 hours. • Reinforced system is recommended for the entire surface, wall-floor connections, vertical angles, chimneys, pipes and siphons. • Apply the Kemfelt fabric on the still wet Decaproof and press it to soak and saturate again with enough Decaproof considering 5 - 10 cm strips overlapping. • Use Proflex sealant for expansion joints.
Theoretical coverage	• Unreinforced System: 0.5 - 0.6 Kg/m² /250 microns D.F.T • 2 coats are recommended. • Reinforced System : 3 - 3.25 Kg/m² /1.5 mm D.F.T
Packaging	5 Kg pails. 20 Kg pails.
Shelf life & Storage	6 months in its unopened Packs stored in cool, dry conditions.
Health and Safety	• Use goggles, gloves and breathing mask when applying. Use goggles, gloves and breathing mask when applying. • 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.