

Kemroof PA Thermodry

Liquid Applied Polyaspartic Weather & UV Resistant, Fast Cure Elastomeric Roof Coating

Description	It is a 100% solids liquid-applied two-components Polyaspartic coating. It is a fast cure, UV & weather-resistant waterproof elastomeric coating. It contains Nano, micro-sized thermal insulating technology that blocks heat transfer, reflects thermal radiation, and creates a moisture barrier it complies with ASTM C-836-836M/15 .
Where to use	It is primarily for use as a Hi-Build waterproofing coating over: • Concrete, Metal & wood roofs • Tiles & old roofing membranes • Balconies, Patios & Plaza decks • Roof recreational table areas
Advantages	• Fast Cure • UV-Stable • Waterproof & water vapor permeable • Excellent adhesion • Crack bridging & Flexible at temperatures from -40 °C / +140 °C • Excellent thermal, weather, and UV – resistance • Chemical resistant
Properties	
Vol Solids %	100 %
Density	1 ±0.2 gm / cm³
Pot Life @ 25 °C	20 minutes
Recoating time @ 25 °C	Minimum 1 hour & Maximum 24 hours
Curing time @ 25 °C	2 - 3 hours (Foot Traffic)
Tensile strength	14 - 15 N/mm²
Elongation	>90 %
Shore a hardness	70 - 75
Adhesion Strength	2.5 N/mm²
Thermal Conductivity	0.036 W/m. °C
Full cure @ 20 °C	7 Days
Water absorption	Max. 1 % (after 21 days)
Abrasion Resistance	37 – 38 mg loss
• It complies with ASTM D-412, D-2240, D-4060, D-4541 & D-471, D-638	
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 (A&B) separately in its containers • Add part (B) to Part (A) and mix thoroughly with a low-speed mixer for 2 minutes

Application	• Prime the substrate with Sealer E43 in case of dry surfaces or Wetseal PA for wet surfaces and Kemprim M, and Kemprim AL for metal surfaces • Allow drying overnight • Repair cracks or joints with the material mixed with a dry filler to a butter consistency • Use Proflex LM sealant for expansion joints • Apply the coating with a roller or airless spray until the surface is covered and leave it to cure (2 -4 hours) between coatings • Apply another one or two • Leave to dry for 24 hours
Theoretical coverage	• 0.25 Kg/m² / 250 microns D.F.T • 2 or 3 coats are recommended
Packaging	1 Kg (A&B) pails 3 Kg (A&B) pails 5 Kg (A&B) pails
Shelf life & Storage	One year in its unopened Packs stored in cool, dry conditions
Health and Safety	• Use goggles, gloves, and a breathing mask when applying • Apply forced ventilation in confined spaces • Remove splashes from the skin with hand cleaner 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, then and 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.