

Decaproof Thermodry®

Liquid Applied Polyurethane Elastomeric and Thermal Insulating 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 resistance, weathering resistance, and flexible coating. It contains Nano, micro-sized thermal insulating technology that blocks heat transfer and reflects thermal radiation
Where to use	It is primarily for use as a Hi-Build waterproofing & Thermal Insulating coating over: •Concrete roofs •Metal roofs •Wood roofs •Tiles & old roofing membranes •Balconies & Patios •Plaza decks •Rooftop (recreational areas) •It can be applied below topcoats, wallpapers (for walls), and below tiles (for roofs)
Advantages	•Fast Cure •UV-Stable •Waterproof & water vapor permeable •Excellent adhesion •Crack bridging & Flexible at temperature from -40 °C /+90 °C •Excellent weather and UV –resistance •Chemically resistant •Excellent thermal, weather, and UV – resistance •Conserves energy (4 times less than regular paint) •Reflects 69% of IR radiation
Properties	
Density	1.3 ±0.05 gm/cm³
Vol. Solids %	63 – 65%
Pot life @ 25 °C	40 minutes
Recoating time @ 25 °C	Min. 6 hours / Max. 48 hours.
Curing time @ 25 °C	7 Days
Tensile strength	1.5 – 2 N/mm²
Elongation	> 300 %
Thermal Conductivity	0. 049 W/m. °C
Adhesion strength	2 N/mm²
Water Absorption	1.4 %
Accelerated Weathering	50 hours = 1 year
Resistance to 1 m. column water pressure shows no leak (BS EN 1928) & ASTM D-412,903,471,5957, G-153, EN12667	
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 with a low-speed mixer for 2 minutes

Application	• Prime the substrate with Sealer E43 in case of dry surfaces or Wetseal PU for wet surfaces, Kemprim M, or Kemprim AL for metals • 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 (6 - 48 hours) between coatings • Apply another one or two coats • Leave to dry for 24 hours • Reinforce with Kemfelt for joints
Theoretical coverage	0.22 – 0.24 Kg/m ² at 120 Micron D.F.T 2 coats are always recommended 2.0 – 2.25 Kg/m ² when reinforced with 60 gm Kemfelt /3 coat
Packaging	5 Kg & 20 Kg Pail
Shelf Life & Storage	One year in its sealed packs stored under proper 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 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