

# Decaproof Thermodry

Liquid Applied Polyurethane Elastomeric and Thermal Insulating Roof Coating

<b>Description</b>	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
<b>Where to use</b>	<p>It is primarily for use as a Hi-Build waterproofing &amp; Thermal Insulating coating over:</p> <ul style="list-style-type: none"> <li>• Concrete roofs.</li> <li>• Metal roofs.</li> <li>• Wood roofs.</li> <li>• Tiles &amp; old roofing membranes.</li> <li>• Balconies &amp; Patios.</li> <li>• Plaza decks.</li> <li>• Rooftop (recreational areas).</li> <li>• It can be applied below topcoats, wallpapers (for walls), and below tiles (for roofs).</li> </ul>
<b>Advantages</b>	<ul style="list-style-type: none"> <li>• Excellent sound absorption, Class(A).</li> <li>• Fast Cure.</li> <li>• UV-Stable.</li> <li>• Waterproof &amp; water vapor permeable</li> <li>• Excellent adhesion.</li> <li>• Crack bridging &amp; Flexible at temperature from -40 °C /+90 °C.</li> <li>• Excellent weather and UV –resistance.</li> <li>• Chemically resistant.</li> <li>• Excellent thermal, weather, and UV – resistance.</li> <li>• Conserves energy (4 times less than regular paint)</li> <li>• Reflects 69% of IR radiation</li> </ul>
<b>Properties</b>	
Density	1.12 ±0.03 gm/cm <sup>3</sup>
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/mm <sup>2</sup>
Elongation	> 300 %
Thermal Conductivity	0. 049 W/m. °C
Adhesion strength	2 N/mm <sup>2</sup>
Water Absorption	1.4 %
Accelerated Weathering	50 hours = 1 year
Resistance to 1 m. column water pressure shows no leak (BS EN 1928) & ASTM C-423, D-412,903,471,5957, G-153, EN12667	
<b>Surface Preparation</b>	<ul style="list-style-type: none"> <li>• Surfaces must be clean, sound, and dry, free from any contaminations (max. moisture content 5 %).</li> <li>• Old loose roofing must be removed by grinding machines.</li> <li>• Any surface irregularities must be smoothened.</li> </ul>
<b>Mixing</b>	Premix in its container with a low-speed mixer for 2 minutes