

# DecaCoat W Thermodry

LEED NC-2016, IEQ C 4.2, LEM Water Base Acrylic Thermal Insulating Paints

Description	It is an acrylic membrane coating with thermal insulating properties, ideal for both exterior and interior use. It contains Nano, micro-sized thermal insulating technology that blocks heat transfer, reflects thermal radiation, and creates a moisture barrier. It is durable, UV-resistant, impermeable, elastic, and weather-resistant. It complies with BS EN 1928) & ASTM C 423, D 5957, 412, 471, 2369, EN 12667
Where to use	<ul style="list-style-type: none"> <li>• Exterior and interior surfaces (Walls &amp; ceilings) as concrete, masonry buildings.</li> <li>• Wood, Plaster, metals, bricks &amp; bituminous membrane.</li> <li>• It can be applied below top coats, wallpapers (for walls), and below tiles (for roofs)</li> </ul>
Advantages	<ul style="list-style-type: none"> <li>• Excellent sound absorption, class (A).</li> <li>• Conserves energy (4 times less than regular paint).</li> <li>• Reflects 69% of IR radiation.</li> <li>• Watertight.</li> <li>• Excellent adhesion and elasticity.</li> <li>• UV-resistant.</li> <li>• Weather resistant</li> <li>• Excellent color stability and crack resistance</li> <li>• Low V.O.C.</li> </ul>
Properties	
Density	1.35 gm/cm <sup>3</sup>
Elongation at Break	100 - 150%
Thermal conductivity	0.036 W/m.k
Solar Reflection	69 % Reflection
Crack bridging	Up to 1.2 mm
% Volume Solids	62 %
Water Absorption	1.35 %
Tensile Strength	0.9 -1 N/m <sup>2</sup>
Surface Preparation	<ul style="list-style-type: none"> <li>• all surfaces are clean, dry, and free from dirt, dust, laitance, and other contaminations</li> <li>• New cement and masonry should be cured for 3 - 4 weeks.</li> <li>• Fill all cracks, and gaps with suitable putty as <b>Decacoat W putty</b></li> </ul>
Mixing	Stir well before use
Application	<ul style="list-style-type: none"> <li>• Prime with (Bonding primer) and leave to dry overnight</li> <li>• Apply two coats using a brush, roller, or airless spray without thinning</li> <li>• Ensure that all corners and edges are covered well</li> <li>• Additional coats if required to be applied within 24 hours.</li> <li>• Leave to dry for 2 hours according to thickness, temperature, and humidity</li> </ul>
Theoretical coverage	0.2 – 0.22 Kg/m <sup>2</sup> at 100 Micron D.F.T 0.4 – 0.5 Kg/m <sup>2</sup> when reinforced with 60 gr <b>Kemfelt</b> / coat Minimum of 2 coats are recommended
Packaging	5 Kg pail 20 Kg pail

Shelf life & Storage	One year in its sealed packs stored under proper conditions
Health and Safety	<ul style="list-style-type: none"><li>• Use goggles-gloves and a breathing mask when applying.</li><li>• Apply forced ventilation in confined spaces.</li><li>• Remove splashes from the skin with a hand cleanser or soap and water.</li><li>• Eye splashes are to be washed with plenty of water.</li></ul>
Additional Information	<p><b>PROKEM</b> 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.</p> <p>PROKEM designs tailor made products should there be critical application that requires specific properties rather than our main range. For our customer's satisfaction.</p> <p><b>PROKEM</b> reserves the right to change the properties of its products.</p> <p>All orders are accepted subject to our current term of sale &amp; delivery.</p> <p>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.</p> <p><b>PROKEM</b> extends technical services to include after-sales support to assist users in the proper handling of our products.</p>