

Decacoat W Thermodyr®

Water Base Acrylic Thermal Insulating Paint

Description	<p>It is an acrylic membrane coating with both, waterproofing & thermal insulating properties, ideal for both exterior and interior use. It contains micro-sized thermal insulating technology that blocks heat transfer, reflects thermal radiation, and creates a moisture barrier and waterproofing membrane. It is durable, UV-resistant, impermeable, elastic, and weather-resistant</p>	
Where to use	<ul style="list-style-type: none"> •Exterior and interior surfaces (Walls & ceilings) as concrete, masonry buildings •Wood, Plaster, metals, bricks & bituminous membrane •It can be applied below top coats, wallpapers (for walls), and below tiles (for roofs) 	
Advantages	<ul style="list-style-type: none"> •Conserves energy (4 times less than regular paint) •Reflects 69% of IR radiation •Watertight •Excellent adhesion and elasticity •UV-resistant •Weather resistant •Excellent color stability and crack resistance •Low V.O.C 	
Properties		
Density	1.35 gm/cm ³	
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 %	LEED NC-2016, IEQC 4.2, LEM Water Base Acrylic Thermal Insulating Paints
Water Absorption	1.35 %	
Tensile Strength	0.9 -1 N/m ²	
Surface Preparation	<ul style="list-style-type: none"> •all surfaces are clean, dry, and free from dirt, dust, laitance, and other contaminations •New cement and masonry should be cured for 3 - 4 weeks •Fill all cracks, and gaps with suitable putty as Decacoat W putty 	
Mixing	Stir well before use	
Application	<ul style="list-style-type: none"> •Prime with (Bonding primer) and leave to dry overnight •Apply two coats using a brush, roller, or airless spray without thinning •Ensure that all corners and edges are covered well •Additional coats if required to be applied within 24 hours •Leave to dry for 2 hours according to thickness, temperature, and humidity 	
Theoretical coverage	<p>0.2 – 0.22 Kg/m² at 100 Micron D.F.T When reinforced is required, please consult Prokem technical department Minimum of 2 coats are recommended For the maximum thermal insulation results – use 0.5 Kg/m²</p>	
Packaging	<p>5 Kg pail 20 Kg pail</p>	

Shelf life & Storage	One year in its sealed packs stored under proper conditions
Health and Safety	<ul style="list-style-type: none"> • 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	<p>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</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>PROKEM reserves the right to change the properties of its products</p> <p>All orders are accepted subject to our current term of sale & 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>PROKEM extends technical services to include after-sales support to assist users in the proper handling of our products</p>