

Decacoat W

Anti - Carbonation, Weather and Waterproof Micro Polymer Exterior Coating

Description	Decacoat W is an 100% acrylic membrane anti-carbonation, weather and waterproof coating that cures to form a thick elastic film. It is rich in resin content having a superb high build protection and capable of bridging unsightly gaps and cracks.	
Where to use	<ul style="list-style-type: none"> • Suitable for outdoor coating and protecting all kinds of structures including concrete buildings, bridges, brick and stone structures, metals & bituminous membrane. • It also protects timber structures against weathering, water seepage and rotting. 	
Advantages	<ul style="list-style-type: none"> • Excellent color stability. • It saves application time & provides exceptionally low applied cost. • Excellent adhesion to most substrates including cement render, concrete, plaster, brick, metals, masonry blocks, bituminous membrane and asbestos cement. • Lasting white Color and waterproofing. • High diffusion resistance against CO₂ • reducing the rate of carbonation. • Suitable for indoor as well as outdoor applications & breathable. • Excellent flexibility without cracking or blistering like conventional paints. • Resist air born gases & dust from sticking. • Resist fuel & oil fumes & splashes. 	
Properties		
% Elongation	100 - 150%	
Tensile strength	10 - 15 N/mm ²	
Solids by volume	60%	LEED NC-2016, IEQC 4.2, LEM
Specific gravity	1.55	
Touch to dry@200c	4 hours	
Recoating time	24 hours	
Carbon dioxide diffusion resistance No. (μCO ₂)s	1.84x10 ⁶ (552m)	
Water vapor transmission	93.7gm/m ² /day	
Water Permeability	82.1 g/m ² /h ^{1/2}	
Crack Bridging	2.5 mm	
Salt Spray 500 h	No Rust, blistering, cracking, flacking	
Weathering Resistance 50 h/60 °c	No Change	
Resistance to 1 m. column water pressure show no leak BS EN 1928, 1062-3,6,7 & ASTM D4541,B117,G154 & ISO 7783-1		

Surface Preparation	<ul style="list-style-type: none"> Remove dirt, surface dust, laitance and any surface contaminants e.g. form release agents or concrete curing compounds by wire brushing, scraping or high pressure detergent/ water blasting. Remove oil and grease with detergent/water or solvent. Fill all cracks, other than hairline cracks with Kemrepair Prime with bonding primer or Prosealer A. Allow primer to dry. In hot dry weather dampen unpainted surfaces to prevent drying out too rapidly. Do not apply when rain is imminent humidity exceeds 90% or when air surface temperature falls before dew point or is below °C. Substrates should be reasonably dry.
Mixing	Stir thoroughly the content.
Application	<ul style="list-style-type: none"> Prime with bonding primer or Prosealer A. Allow primer to dry. Apply evenly by roller brush or with airless spray (spray smooth substrates only and apply in one plane at even thickness) wherever possible use rollers for one coat applications.
Expansion Joints	Shall be installed in accordance with local building codes. Never bridge an expansion, contraction, or construction joint.
Cleaning	Tools and application equipment should be cleaned with special solvent immediately after use.
Theoretical Coverage	0.26 Kg/m ² at 100 microns D.F.T 0.75 Kg/m ² when reinforced with Kemfelt 60gr Minimum of 2 coats are recommended
Packaging	5 Kg pails 20 Kg pails
Shelf life & Storage	Decacoat W has a shelf life of 12 months if kept in sealed bags in a dry condition.
Health and Safety	<ul style="list-style-type: none"> Use goggles gloves and a breathing mask when applying. Apply forced ventilation in confined spaces. Skin splashes to be removed with hand cleanser, soap and water. Eye splashes to be removed with plenty of running 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, 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 a proper handling of our products.</p>