Quality Needs Quality

Procoat AC

High Quality Emulsion Anti-Carbonation Decorative Coat

Description	**Procoat AC** is a top-quality exterior emulsion anti-carbonation coat based on acrylic co-polymer with high hiding power. **Procoat AC** has been designed to give a high quality protective and decorative effects, and to be applied directly on most building materials for new or old maintenance applications. It is used for both interior luxury finishes and exterior finishes.
Where to use	• For high quality indoor and outdoor applications • Can be painted over plaster, fair-faced concrete rigid PVC, wood, metals, using a suitable primer • Old compatible paint and many other services • Excellent for indoor and outdoor applications necessitating wet abrasion (high wash ability resistance)
Advantages	• High covering power and opacity • Excellent wet abrasion (wash ability) resistance • Exceptional resistance to extreme weather conditions (humidity, rain, hot, temperatures, sea-shores conditions, UV rays, and pollution) • High resistance to cracking, peeling and chalking • Non yellowing white • Easy to use • Anti-Carbonation (Low diffusion of CO_2 & Chlorides) • Resist air born gases & dust from sticking • Resist fuel & oil fumes & splashes

Properties		
Density	1.50 ±0.2 Kg/L	
Drying Time	4 – 6 hours	
Tensile Strength	1. 8 – 1.9 N/mm^2	ASTM D412
Bond Strength	1.31 N/mm^2	ASTM D4060
Elongation	10 – 11 %	ASTM D412
Full Curing	7 Days	
Recoating Time	10 – 12 Hours	
% Volume Solids	65 ±2 %	
CO_2 Diffusion Resistance	$3.84*10^5$	EN 1062-6
Air Layer Thickness	115.2 m	EN 1062-6
Water Vapor Transmission	3.21 g/m^2. Day	ASTM E96
Water Permeability	115.7 g/m^2. Day	EN 1062-3
Crack Bridging	0.5 mm	ASTM C1305 – 10 Cycles – No Failure
Resistance to 1 m. column water pressure show no leak (BS EN 1928)		

Surface Preparation	Surface must be clean, free from oil, grease, dirt, chalk, loose paint and other foreign materials
Application	• Apply one coat (or more) of **Prosealer A** according to the surface porosity • Apply an acrylic putty to smoothen the surface and fill the voids and gaps with **Berefex flex** or other acrylic-resin based putty, followed by light sanding • Mix **Procoat AC** thoroughly to a uniform consistency before use, and dilute 20% with water for priming purpose & 10% for finishing coats • Application is done by brush, roller or airless spray gun • Application temperature +5/+30 °C

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Theoretical Coverage	• 1 Kg / 4 – 5 m^2 / 100 microns • Minimum of 2 coats are always recommended
Packaging	5 & 20 Kg pails
Shelf life & Storage	12 months in original tightly closed containers away from sunlight and excessive heat
Health and Safety	• Use gloves to avoid contact with skins • If skin comes in contact, wash immediately with soap and water • Do not use solvents • Eye contamination must be immediately washed with water, then seek medical treatment • Working areas should be well ventilated
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, then and 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 a proper handling of our products.