

ShaliKote AC WB



Water Based Protective-cum-Anti Carbonation Coating

STP Limited

Description

ShaliKote AC WB is a high build elastomeric, micro porous coating, which facilitates long term protection and decoration of concrete and masonry surfaces. **ShaliKote AC WB** gives an extremely tough coating, which allows substrate to breathe. **ShaliKote AC WB** may give textured finish.

Characteristics

pH	9 -11	Binders	Pure Acrylate
Thinning Agent	Water	Density, grm / cc	1.35 approx
CO ₂ resistant equivalent air layer thickness	123m @ 160 μ	Water absorption according to DIN 52617	w < 0.2 kg / m ² hr
Water Vapour Permeability, 24 hrs	0.02 mg	Theoretical Coverage m ² / L / Coat *	6 - 7
Resistant to weather	Very Good	CO ₂ diffusion coefficient	6.4 x 10 ⁵
Surface structure	Smooth		

* Depending upon surface condition.

Application

- Bridge abutments.
- External concrete surface of storage tank and masonry surface.
- Multistoried building and villas.
- High external tough UV resistant coating like on pipe protection enamel. Concrete cladding.
- Subways.

Advantages

- Water based, non-toxic, environment friendly green product.
- High build elastomeric, micro porous coating.
- Excellent resistance to carbon dioxide, air-borne / water-borne chloride.
- Excellent crack bridging properties and weathering resistance.
- Protective / decorative coating, which allows structure to breathe.

Application Methodology

- Remove dust, flakes, oil, grease or other loose foreign particles by sand blasting, iron brush or compressed air.
- Remove oil and, grease, chemical contaminants and extraneous matter.
- Ensure that the substrate is sound, clean and free from dust and all loose or flaking material. Fill all holes and deep cracks with a suitable filler.
- Ensure that no trace of mould or algae remains and that area is treated with a suitable anti-fungicide or bleach solution.
- In case of new cementitious substrate, ensure that the substrate is fully cured for atleast 14 days.
- Stir drums thoroughly for uniformity. For best result, use a variable speed drill mixer with a spiral type blade at the bottom of stirrer rod. The speed may be 400-600 rpm
- Dilute **ShaliKote AC WB** by adding 10% clean water by volume and prime old, absorbent and weathered surface..On non porous surfaces, apply **ShaliKote AC WB** undiluted. Prime all metal substrates with ShaliPrime Zn Ph / ShaliPrime 2E.
- Apply **ShaliKote AC WB** evenly at temperatures between 3 °C and 30 °C with roller, brush or airless spray. Use two coat systems on dark, absorbent and heavily textured surfaces and when full carbonation protection is required. Porous, rough and irregular surfaces will reduce coverage rates.

Cleaning & Maintenance

Clean all tools immediately after use with water.

Health & Safety

- Use mask, nose cover and hand gloves during application.
- Clean hands with soap water after application.
- Avoid contact with skin / eyes. In case of unlikely contact with eyes, rinse immediately with plenty of clean water, then cleanse with soap and lukewarm water and seek medical advice. Do not use solvent to clean the contacted area.
- Prevent swallowing. In case of unlikely swallowing, seek medical attention immediately. **Do not** induce vomiting.

Packing

Available in 10 L and 20 L drums.

Storage

Store in a cool dry place at temperatures between 5 °C and 30 °C, under shade, away from heat.

Shelf Life

1 year in original unopened sealed condition.



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