

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	123 m @ 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 / 70 micron	6 - 7
Resistant to weather	Very Good	CO ₂ diffusion coefficient	6.4 x 10 ⁵
Surface structure	Smooth	Crack Bridging Ability, mm	2
Water Diffusion Rate, mg / 24 hrs	0.2	Water Diffusion Resistance Coefficient	2.5 x 10 ³

* Depending upon surface condition.

Application

- Bridge abutments / Subways.
- 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.

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

➤ Surface Preparation

- 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 at least 14 days.

➤ Material Preparation

- 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 alternatively, use ShaliPrime WB. Prime all metal substrates with ShaliPrime Zn Ph / ShaliPrime 2E / ShaliPrime AC.

➤ Application of Material

- 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.
- Primer with two coats of **ShaliKote® AC WB** will give DFT of 160 micron depending on surface condition.
- Porous, rough and irregular surfaces will reduce coverage rates.

Cleaning & Maintenance

Clean all tools immediately after use with water.

Health & Safety

- Avoid contact with skin / eyes and avoid swallowing.
- Ensure adequate ventilation and avoid inhalation of vapour.
- Wear suitable protective clothing, gloves and eye protection.
- In case of skin contact, rinse with plenty of clean water, then cleanse with soap and water. Do not use solvent to clean the contacted area.
- In case of eye contact, wash with plenty of clean water and seek medical advice.
- If swallowed, seek medical attention immediately. Do not induce vomiting.

Packing

Available in 20 L Bucket.

Storage

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

Shelf Life

12 months in original unopened sealed condition.



STP Limited
Enhancing Structures' Life

Product Range

- Waterproofing and Insulation ■ Road Surfacing
- Sealants and Additives ■ Pipeline Coating
- Protective / Anti-Corrosive Coating ■ Epoxy Flooring
- Grouts / Admixtures ■ RestoFix- Repair / Rehabilitation
- Other Construction Chemicals



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