**ShaliKote® AC WB**

Water Based Protective-cum-Anti Carbonation Coating

### 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

<table>
<thead>
<tr>
<th>pH</th>
<th>Thinning Agent</th>
<th>Density, grm / cc</th>
<th>Pure Acrylate</th>
</tr>
</thead>
<tbody>
<tr>
<td>9 - 11</td>
<td>Water</td>
<td>123m @ 160 µ</td>
<td>w &lt; 0.2 kg / m² hr</td>
</tr>
</tbody>
</table>

- Co₂ resistant equivalent air layer thickness
- Water Vapour Permeability, 24 hrs
- Water absorption according to DIN 52617
- Theoretical Coverage* m² / L / Coat / 70 micron
- Resistant to weather
- Surface structure

* 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.
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.
- 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.