CX WATERSEAL WH

Single component acrylic base cementitious waterproofing system

DESCRIPTION:

CX WATERSEAL WH is formulated to be mixed with cement on site or simply brush applied over concrete or masonry surfaces to provide an effective waterproof membrane.

ADVANTAGES:

1. Non-Toxic and Non-Flammable
2. User-friendly
3. Provides a tough, impervious waterproof membrane
4. Excellent adhesion
5. Protects concrete and mortar from natural elements such as wind, rain, sunlight.
6. Brethable

PACKAGING:

250gm, 500gm, 1kg, 5kg, 20 kg, 50 kg, 200kg
CX WATERSEAL WH
Single Component Acrylic Polymer For Cement Based Waterproofing Coating Membrane

Description:

- **CX WATERSEAL WH** is formulated to be mixed with cement on site or simply brush applied over concrete or masonry surfaces to provide an effective waterproof membrane.
- **CX WATERSEAL WH** when used in combination with cement improves the shortcoming of plain cement.
- **CX WATERSEAL WH** acrylic polymer enhances the properties of cement slurry/mortar/concrete making them excellent choice for use in new construction as well as renovation work.
- Uses **CX WATERSEAL WH** is a composite waterproof.

Uses:

- **CX WATERSEAL WH** provides an effective and economical method of waterproofing to concrete and masonry surfaces, by mixing with cement and application by brush. Suitable for waterproofing of:
  - Roof terraces, roof slabs, balconies
  - Basements
  - Water tanks
  - Sunshades
  - Sunken toilets
  - Swimming pools
  - Other wet areas.
- Also suitable for repair and renovation works for use as:
  - Bonding agent
  - Making polymer modified mortar

Advantages:

- Non-corrosive to steel & iron
- Vapour permeable
- Can be used for treatment of leaching and saltpetre action
- Moderate crack bridging properties
- UV ray resistant
- Suitable for contact with potable water when protected with a screed
- Durable and hard wearing surface on application
- Easy to apply by brush, slurry consistency
- Excellent bonding with most of the substrates.
- Protects against water penetration, salt & carbonation
Areas of application:

Below sloping screed or waterproof plaster on:
- Roofs, terraces and balconies as a sandwich layer
- Pools and fountains
- Reservoirs and channels
- End walls subjected to rain

Properties:

<table>
<thead>
<tr>
<th>Property</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Water absorption</td>
<td>Water absorption</td>
</tr>
<tr>
<td>Appearance / Colour</td>
<td>Milky white liquid</td>
</tr>
<tr>
<td>Pot life at 30 C</td>
<td>30 min</td>
</tr>
<tr>
<td>Application temperature</td>
<td>Not less than 100C</td>
</tr>
<tr>
<td>Toxicity</td>
<td>Non-toxic</td>
</tr>
<tr>
<td>Bond strength to concrete</td>
<td>Approx. 1 N/mm²</td>
</tr>
<tr>
<td>Chemical Base</td>
<td>Acrylic copolymer and special additives</td>
</tr>
<tr>
<td>Density</td>
<td>1.02±0.002 kg/l</td>
</tr>
<tr>
<td>pH</td>
<td>6-8</td>
</tr>
<tr>
<td>Substrate Temperature</td>
<td>+10°C min. / +40°C max.</td>
</tr>
<tr>
<td>Ambient Temperature</td>
<td>+10°C min. / +40°C max.</td>
</tr>
</tbody>
</table>

Application instructions:

Preparation

- All surfaces to be treated with **CX WATERSEAL WH** must be thoroughly cleaned by a wire brush or other mechanical means, to remove all dust, laitance or debris.
- The surface must also be free from oil, grease, wax or any other form of foreign matter which might affect adhesion. Spalled and deeply disintegrated concrete or mortar must be removed to a sound substrate and repaired suitably before coating.

Priming:

- Before application, the surface should be primed with **CX WATERSEAL WH** as follows:
- 1 part of **CX WATERSEAL WH** : 2 parts of Water: 4 parts of Cement Mixed material with the above proportion will cover an area of 16-17m² for 1L of **CX WATERSEAL WH**.
**CX WATERSEAL WH**

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**Topcoat:**

- **CX WATERSEAL WH** acrylic polymer shall be mixed with neat cement in the ratio of 1:2 respectively, to obtain uniform and consistent slurry avoiding any lump formation.
- This can be achieved with a low duty, low speed drilling machine attached with a mixing paddle. Do not mix for more than 2 minutes.
- Do not mix more material than which can be used within the pot life. Retempering the mix with water should not be done.
- Occasionally stir the material till the entire quantity is applied, so that solids do not settle at the bottom of the container.

**Mixing Ratio:**

<table>
<thead>
<tr>
<th>CX WATERSEAL WH liquid</th>
<th>Neat cement</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.5L</td>
<td>1 kg</td>
</tr>
<tr>
<td>1L</td>
<td>2 kg</td>
</tr>
<tr>
<td>5L</td>
<td>10 kg</td>
</tr>
<tr>
<td>20L</td>
<td>40 kg</td>
</tr>
</tbody>
</table>

For white colour - mix white cement, for other colours; add cement compatible pigments to white cement.

**Application:**

- For best results, wet the surface before coating. Apply the mix with a short, stiff bristle brush like paint to an approximate thickness of 1 to 2mm, during the first 12 hours of curing, **CX WATERSEAL WH** surface must be protected from abrasion, rain or other adverse conditions.
- No traffic shall be allowed within 48 hours after application.
- Normally 2 coats of application of **CX WATERSEAL WH** are recommended.
- First coat should be allowed to air dry for 5 – 6 hours. After application of the final coat, initial air drying shall be allowed for 2 to 6 hours.
- During this period water should not be used for curing. Moist curing should be done for the next 24 hours by spraying water on **CX WATERSEAL WH** coating.
- Following moist curing, **CX WATERSEAL WH** should be allowed to dry for three days before subjecting it to submersion in water.
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Packaging:

- Available in 1, 5, 20, 50 & 200 LITER packs

Coverage:

- Priming coat: 16-17 m²/L/COAT
- Topcoat - 4.5 - 5.0 m²/L/ coat.
- However the practical consumption varies depending on the texture and porosity of the surface and the application thickness.

Storage:

- CX WATERSEAL WH liquid has a shelf life of 12 months, when stored in unopened containers under normal warehouse conditions.

Precautions

Health & Safety

- CX WATERSEAL WH is water based and non-toxic. Gloves should be worn during application. Any splashes on the skin or eyes must be washed off with clean water. In case of prolonged irritation medical advice should be sought.

Fire:

- CX WATERSEAL WH is nonflammable.