CIKOproof AC
High Build Acrylic Waterproof membrane coating

Description
CIKOproof AC is an acrylic based waterproofing membrane coating for horizontal and vertical applications on concrete, polyurethane foam; mortar and cement block masonry surfaces. It exhibits excellent resistant to ultra-violet (UV) rays.

CIKOproof AC is based on special acrylic polymer with other additives to form seamless and watertight elastomeric membrane after curing on exposure to atmosphere.

Properties
- Single component system and ready-to-use packing.
- Cold applied by brush, roller or spray.
- Elastomeric and flexible seamless membrane.
- Suitable for interior and exterior applications even on surface having irregular profiles.
- Excellent resistance to aging and UV rays.
- Provides excellent bond strength against wide range of substrates.
- Non flammable.
- Non-toxic and non-hazardous.

Application area
CIKOproof AC is a high quality waterproof membrane coating that can be used for interior and exterior applications.
- Roof waterproofing on wide range of substrates such as concrete, sand-cement screed, wood, metal, asphalt, terrazzo tiles etc.
- As a protective and waterproof coating over polyurethane spray foam.
- Wet area waterproofing beneath bathroom and kitchen tiles.
- External waterproofing for basements and pits.
- Terrace and roof garden waterproofing.

Physical properties
<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Form</td>
<td>Viscous liquid/paste</td>
</tr>
<tr>
<td>Colour</td>
<td>Grey or white</td>
</tr>
<tr>
<td>Solid content</td>
<td>65 ± 3% by weight</td>
</tr>
<tr>
<td>Specific gravity</td>
<td>1.3 ± 0.05 kg/L</td>
</tr>
<tr>
<td>Application temperature</td>
<td>5°C - 40°C</td>
</tr>
<tr>
<td>Curing time @ 25°C</td>
<td>Approx. 24 hours</td>
</tr>
<tr>
<td>Service temperature</td>
<td>-5°C to +80°C</td>
</tr>
<tr>
<td>Elongation at Break ASTM D412</td>
<td>&gt;150%</td>
</tr>
<tr>
<td>UV resistance</td>
<td>No deterioration or colour fade</td>
</tr>
</tbody>
</table>

Coverage
CIKOproof AC provides coverage as follows.

<table>
<thead>
<tr>
<th>Coverage</th>
<th>1mm dry film thickness</th>
<th>2 kg / m²</th>
</tr>
</thead>
</table>

Note: Coverage rate may vary depending on substrate condition and type.

Application instructions
Surface preparation
The substrate shall be free from all loosely adhered particles, efflorescence, dust, oil, grease or any other contamination. In case of oil spillage, proper treatment should be carried out on the surface. All pot holes and wider cracks must be repaired using suitable material.

Tiled roof:
Loose and broken tiles must be removed and replaced with new tiles. The joints between the tiles must be filled with a non shrink material and levelled to the surface.

Metal surface: Wire brush to remove rust, mildew and loose paint. In case of corroded surfaces, proper priming shall be done with a primer.

Mixing
CIKOproof AC is a single component system and requires only slight mixing using a slow speed drill-paddle assembly.
**Priming**
For priming, dilute CIKOproof AC with 20% water [by volume] and mix it well to homogeneity using a slow speed heavy duty drill-paddle assembly.

**Application method**

**Primer application**
On porous substrates apply a thin coat of primer using brush or roller and allow drying. Primer coat will penetrate and seal the pores and is recommended to achieve full efficiency of CIKOproof AC as waterproofing membrane.

Note: Metal or non porous surface does not need primer coat.

**Topcoat**
Apply neat CIKOproof AC (without dilution) on the primed surface using brush, roller or spray at the rate of 1.0 litre per square meter per coat and allow to dry for 24 hours prior to application of second coat. Care should be taken to coat the surface without leaving any gap. In similar way, apply second of CIKOproof AC over the first coat at the rate of 1.0 litre per square meter.

**Packaging**
CIKOproof AC is available in 18 kg and 20 kg pails. It is available as well in 20 L pails.

**Shelf life**
CIKOproof AC has a shelf life of 12 months in un-opened pails and if stored in accordance with CIKO instructions.

**Storage**
CIKOproof AC should be stored under enclosed shaded area.

**Precautions**
- Not to use over standing water.
- Application temperature must be between 5 – 40°C.

**Health & safety**
CIKOproof AC should not come in contact with eyes or be swallowed. Applicator should wear appropriate clothes, gloves and goggles. Use of barrier cream is recommended to provide additional skin protection. If comes in contact with eyes, flush with plenty of fresh water and seek medical advice.
Refer Material Safety Data Sheet for further details.

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**Technical Support**
For further technical support, do not hesitate to contact CIKO team at any time as CIKO offers on and off site services to end users, specifier and contractors.

**More from CIKO Middle East**
A wide range of construction chemical products are manufactured by CIKO Middle East which includes:

- Concrete admixtures and additives
- Waterproofing and damp proof coatings
- Surface treatments
- Flooring and toppings
- Grouts and anchors
- Tile adhesives and grout
- Concrete repair materials
- Adhesives and bonding agent
- Protective coating
- Joint Sealants and Moulding compounds
- Ancillaries