HIND HYDRO FLEX AQPU

PRODUCT DATA SHEET
TWO COMPONENT AQUA RESIN BASED PROTECTIVE & WATERPROOFING COATING

DESCRIPTION

Hind Hydro Flex AQPU is two component aqua resin based (Non-yellowing) system used as a protective and waterproofing coating for stone, brick and concrete surfaces.

USES

Hind Hydro Flex AQPU is used for protecting all types of concrete, stone, bricks and any other mineral structures exposed to adverse weather conditions. Waterproofing of water bodies and storage tank, high traffic areas like lobbies, balconies, sloped and curved roofs in public areas. As a wall protective coating in workshops, store rooms and warehouses. It is also used in Dairy farms, breweries industrial kitchens, food processing plant, soft drink bottling plants, control rooms, computer room, other utility areas, off-shore platforms and ship decks.

ADVANTAGES

Hind Hydro Flex AQPU offers a high performance protective and waterproofing coating and is characterized by:

- Excellent adhesion to stone, bricks, concrete and any other mineral substrates.
- Enviro-friendly water borne technology.
- It conforms to IGBC norms with low VOC compliant.
- Solvent free & odour-less application.
- Breathable Coating.
- Very high Abrasion resistant.
- Excellent water resistant.
- It works as a high performance durable barrier against moisture ingress in surface.
- It possess an excellent UV resistance properties and colour stability.
- Algae & fungi resistance and does not allow bacterial growth.
- Excellent oil & chemical resistant.
- Coating is seamless and can be cleaned very easily.
- Smooth matt and semi-glossy finish with long performance life.
- Available in clear and wide range of colours.

APPLICATION

SURFACE PREPARATION

All surfaces must be sound, clean, dry, free from oil, grease, cement laitance and all loose particles and other contaminations.

Priming

The same material is to be used as a self primer. Once the material is mixed it should be used immediately as a thin continuous film using a stiff brush/roller or trowel. Porous surface may require two coats of primer. The primer coat should be air cured to a hard coating prior to application of top coat of Hind Hydro Flex AQPU.
**Application**

**Hind HydroFlex AQP** is supplied in pre-weighed two-component ready to use packing. Pour Component - A in a container and stir to get a uniform colour (if pigmented). Now add Component - B and stir well until a uniform homogenous mixture is obtained. Finally add recommended quantity of clean tap water and apply the mixture of **Hind HydroFlex AQP** on the prepared surface using roller, brush or squeegee. If the application is done by spraying the area should have good exhaust provision and workmen engaged for application should have their eyes protected with goggles, breathing mask.

### PROPERTIES

<table>
<thead>
<tr>
<th>Components &amp; Mixing (Parts by weight)</th>
<th>Hind HydroFlex AQP (As a Primer)</th>
<th>Hind HydroFlex AQP (Clear)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Colour</td>
<td>Available in clear and various colours.</td>
<td></td>
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<tr>
<td>Drying Time</td>
<td>Surface Dry - 6-8 hours</td>
<td>Hard Dry - 24 hours</td>
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<td></td>
<td>Recoat-able Time - 12-16 hours</td>
<td></td>
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<tr>
<td>Pot Life</td>
<td>Mixed Material. Approx 60-90 mins. at 30°C</td>
<td></td>
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<tr>
<td>Curing Time</td>
<td>Light Foot Traffic Load - 24 to 36 hours.</td>
<td>Full Traffic Load - 72 hours.</td>
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<tr>
<td>Dry Film Thickness (2 Coats depending on surface conditions)</td>
<td>30-70 micron per coat.</td>
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<tr>
<td>Adhesive Tensile Strength (ASTM D4060, CS 10 Wheel)</td>
<td>0.1 gm. (Max weight loss)</td>
<td></td>
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<tr>
<td>Scratch Resistance (BS 3900 Part E2)</td>
<td>&gt; 8 Kg</td>
<td></td>
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<tr>
<td>Coverage</td>
<td>3-4 Sq. Mtr per Kg of the mixed material per Coat depending on the surface conditions at a ratio of 100:20:20</td>
<td></td>
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</tbody>
</table>

### PACKING

**Hind Hydro Flex AQP** is available in 24Kg (Pack A & Pack B) Container.

### COVERAGE

3-4 Sq. Mtr per Kg of the mixed material per Coat depending on the surface conditions at a ratio of 100:20:20

### CLEANING OF TOOLS

Tools and equipment after use to be cleaned with thinner or suitable solvent. Cleaning should be done before the material starts to gel or harden.

### SHELF LIFE & STORAGE

12 months from the date of manufacturing in sealed unopened container. **Hind Hydro Flex AQP** should be stored in a well ventilated area away from direct sunlight.

### HANDLING PRECAUTION

**Hind Hydro Flex AQP** is non-toxic but ingestion is to be avoided. Ensure adequate ventilation during application. Use gloves, goggles and barrier cream to protect eyes and contact with skin.

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**Note:**
- Hindcon Chemicals maintains a team of technically trained professionals to provide full support to your problems in construction, and recommend the correct product to suite your specific requirements. Our authorized applicators can attend your site for application of the products.
- The content of the Technical datasheet are for general information and guideline. The results shown here are generated from our laboratory or from our site experiences.
- Qualities of our products are maintained as per ISO9001:2008 recommendations and continuous researches. The behavior can change as per the prevailing conditions at the time of applications.
- Since HINDCON CHEMICALS LIMITED has no control over the use to which the users may put the material, it does not claim or warrant that in the user’s particular circumstances, the result that the user will obtain from the product will be the same as those described in this communication or that the user will find the information or recommendations complete, accurate or useful. The client must test and ascertain the safety and fitness for the product for use.

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**HINDCON CHEMICALS LIMITED**
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