



## HIND HYDRO FLEX AQP

### PRODUCT DATA SHEET

#### TWO COMPONENT AQUA RESIN BASED PROTECTIVE & WATERPROOFING COATING

##### DESCRIPTION

**Hind Hydro Flex AQP** 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 AQP** 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 AQP** 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 AQP**.

## Application

**Hind HydroFlex AQP**U 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**U 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

Components & Mixing (Parts by weight)	<b>Hind HydroFlex AQP</b> U ( As a Primer) <b>Mixing Ratio-Pack A : Pack B: Water :: 100 :20:40</b> <b>Hind HydroFlex AQP</b> U (Clear) <b>Mixing Ratio-Pack A : Pack B: Water :: 100 : 20 : 20</b>
Colour	Available in clear and various colours.
Drying Time	Surface Dry - 6-8 hours Hard Dry - 24 hours Recoat-able Time - 12-16 hours
Pot Life	Mixed Material . <b>Approx 60-90 mins. at 30<sup>0</sup> C</b>
Curing Time	Light Foot Traffic Load - 24 to 36 hours. Full Traffic Load - 72 hours
Dry Film Thickness ( 2 Coats depending on surface conditions)	30-70 micron per coat.
Adhesive Tensile Strength (ASTM D4060, CS 10 Wheel)	0.1 gm. (Max weight loss)
Scratch Resistance (BS 3900 Part E2)	> 8 Kg
Coverage	<b>3-4 Sq. Mtr per Kg of the mixed material per Coat depending on the surface conditions at a ratio of 100:20:20</b>

## PACKING

**Hind Hydro Flex AQP**U 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**U should be stored in a well ventilated area away from direct sunlight.

## HANDLING PRECAUTION

**Hind Hydro Flex AQP**U 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 result shown here are generated from our laboratory or from our site experiences.
- Quality 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.
- The right to change the properties of the products is reserved with us. The proprietary rights of third parties must be observed. All orders are accepted subject to the terms of sale and delivery. Users must always refer to the most recent issue of the latest Data Sheet for the product concerned, copies of which will be supplied on request.

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## HINDCON CHEMICALS LIMITED

(AN ISO 9001: 2015 COMPANY)

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