

# HIND HYDRO FLEX WBPU 2K

TWO COMPONENT POLYURETHANE BASED HIGH  
PERFORMANCE PROTECTIVE COATING



## DESCRIPTION

**Hind Hydroflex WBPU 2K** is two-component water borne 100% aliphatic (Non yellowing) polyurethane based protective and decorative coating system for stone, brick and concrete surfaces.

## USES

**Hind Hydro Flex WBPU 2K** is used for Typical Applications as follows:

- All types of concrete, stone, bricks and any other mineral structures exposed to adverse weather conditions.
- Water bodies and storage tanks etc.
- High Traffic areas alike Lobbies, balconies and verandas in public places.
- As wall protective coatings in workshops, Store rooms, warehouses.
- Dairy and breweries industry, Industrial Kitchens.
- Food processing plant.
- Soft drink and Bottling plants.
- Control Rooms, Computer room and water tanks and other utility areas.
- Off Shore Platform and ship Decks.

## ADVANTAGES

**Hind Hydro Flex WBPU 2K**, high performance coatings is characterized by:

- Excellent adhesion to stones, bricks, concrete or any other mineral substrate.
- Environ friendly water borne technology.
- Confirms to Green Building norms with low VOC compliant.
- Solvent free & Smell free application.
- Breathable coating.
- Very high abrasion resistance.
- Excellent water resistance.
- Works as high performance durable barrier against moisture ingress in surface.
- Excellent UV resistance color shade stability.
- Excellent algae & fungi resistance. Does not support bacterial growth.
- Excellent oil and chemical resistance.
- Smooth seamless coating-easy to clean and maintain. Very High Cleanability.
- Smooth and matt to semi glossy finish. Long performance life.
- Available in clear and wide range of colors.

## APPLICATION

### Application Methods:

**Hind Hydro Flex WBPU 2K** system should be installed by approved and trained contractors. Following information should be used as a guideline. Always consult our Technical Service Department for more details.

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**Surface Preparation:** All surfaces must be sound, clean, dry, free from oil, grease, cement laitance and all loosely adhering particles or any other contaminations.

**Primer Application:** Use suitable and recommended primer. Porous surface may require two coats of primer. Primer should be allowed to cure sufficiently, prior to application of top coat of **Hind Hydro Flex WBPU 2K**. In critical applications, two coats of primer can be considered.

**Coating Application:** Hind Hydro Flex WBPU 2K is supplied in pre-weighed two components ready to use on site. Mix **Hind Hydro Flex WBPU 2K (A)** in vessel until uniform color is obtained (if pigmented). Add recommended quantity of clean tap water. Then add **Hind Hydro Flex WBPU 2K (B)** and stir well until a homogeneous mixture is obtained and apply **Hind Hydro Flex WBPU 2K** mixture on the prepared surface by using roller, brush or squeeze. Spraying if done, should always be in the area with good exhaust provision and using personal protection equipment such as goggles, breathing mask, etc.

## PROPERTIES

|  |  |
|--|--|
| <b>Components and Mixing (Parts by weight)</b><br><br><b>Hind Hydroflex AQPU ( Aqua Resin Based Primer)</b><br><b>Hind Hydroflex AQPU (A) : Hind Hydroflex AQPU (B) : Water ::</b><br><b>100 : 20 : 40</b> | <b>Drying Time</b>   |
|  | Surface Dry: 6 – 8 Hrs   |
|  | Hard Dry : 24 Hrs  |
|  | Recoat ability : 12–16 Hrs   |
|  | <b>Pot Life</b>  |
| <b>Hind Hydro Flex WBPU 2K ( Clear/Colored)</b><br><b>Hind Hydro Flex WBPU 2K (A) : Hind Hydro Flex WBPU 2K (B) :</b><br><b>Water :: 100 : 20 : 20</b>   | <b>Hind Hydro Flex WBPU 2K (A+B)</b><br>Approx. 60-90 minutes @ 30°C |
|  | <b>Curing</b>  |
| Foot traffic/ Light load: 24 – 36 Hrs .<br>Full traffic load: 72 Hrs   |  |

|  |                          |                     |                      |
|--|--------------------------|---------------------|----------------------|
| <b>Film thickness( in two finish coats and subject to surface conditions )</b> | DFT                      | Micron              | 30 -70/ coat         |
| <b>Adhesive tensile Strength</b>   | ASTM D-4060, CS 10 Wheel | gm. Max weight loss | 0.1                  |
| <b>Scratch Resistance</b>  | BS3900 Part E2           | Kg                  | >8                   |
| <b>Coverage</b>  |                          | m <sup>2</sup> /Kg  | 6 – 9 m <sup>2</sup> |

## PACKING

Hind Hydroflex WBPU 2K is available in **24Kg (Pack A & Pack B) Container**

## CLEANING OF TOOLS

Tools and equipment contaminated with liquid can be cleaned with Thinner or suitable solvent. Cleaning should be done before it starts to gel or harden.

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## SHELF LIFE & STORAGE

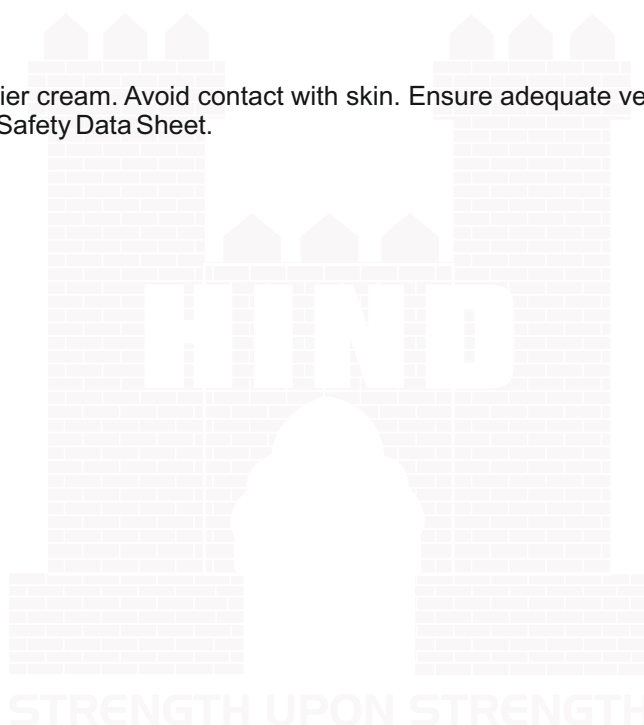
**Best Before 12 months** in a sealed container. Keep the container in a dry, cool well-ventilated space and away from sources of heat ignition. Container must be tightly closed.

## HANDLING PRECAUTION

This product is for professional use only. The applicators and operators shall be trained, experienced and have the capability to handle the equipment and to mix/stir and apply the coating correctly. Applicators and operators shall use appropriate protection when using this product. The guideline is based on the correct knowledge of the product.

## HEALTH & SAFETY

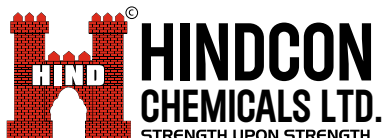
Use gloves, goggles and barrier cream. Avoid contact with skin. Ensure adequate ventilation during application. For further detail, refer to Material Safety Data Sheet.



## IMPORTANT NOTICE :

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 behaviour 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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