



## HIND HYDROFLEX POLYUREA (H)

### PRODUCT DATA SHEET

#### TWO COMPONENT, CHEMICAL RESISTANT, RAPID CURING POLYUREA BASED WATERPROOFING MEMBRANE

#### DESCRIPTION

**Hind Hydroflex Polyurea (H)** is two component, chemical resistant, rapid curing polyurea based waterproofing membrane. It contains 100% solid, pre-heated and spray applied rapid curing elastomeric waterproofing membrane and has excellent resistant to wide range of common chemicals.

#### USES

**Hind Hydroflex Polyurea (H)** is recommended as a waterproofing and protective coating for structures that are exposed to wide range of aggressive chemical and environmental conditions. Typical applications include Potable Water tanks, Water Retaining structures, Underground Structures, Foundation walls and sumps, and Bridge Deck waterproofing etc.

#### ADVANTAGES

- It is Moisture Insensitive and Rapid Curing.
- It forms seamless membrane.
- UV Resistant.
- Zero VOC and is Eco-friendly.
- Excellent Abrasion, Impact and Puncture resistant.
- Posses an excellent chemical resistant property.
- Can be applied in wide range of extreme weather conditions ( - 50 °C to + 200 °C )
- Is available in wide range of attractive colours.

#### SURFACE PREPARATION

Suitable surface preparation to be should done by water jetting or wet grit blasting to make the surface free from oil, grease, all loose particles, laitance and other foreign containments. Undulation, honey combs, voids and blow holes are to be rendered smooth with **Hind Polymer mortars**. If fine cracks are identified, it is to be grouted with **Hind ERS 21/Hind ERS 21 (LV)** epoxy resin system. Application to be done only on dry surface.

#### APPLICATION

Prior to application of **Hind Hydroflex Polyurea (H)**, it is recommended that the surface to be primed with **Hind PU Primer @ 0.2-0.3 Kg/m<sup>2</sup>**. It is always advisable that proper high pressure spray pump (**GRACO make**) is used for application of **Hind Hydroflex Polyurea (H)** as per the following guidelines:

Output Pressure	Up to 2000 psi
Minimum Spray Pressure	1600 - 1800 psi
Temperature Setting	60 °C
Hose Temperature	50 °C - 55° C

## PROPERTIES

Solid Content	100%
Density at 25 <sup>o</sup> C	1.1- 1.2 Kg / Ltr
Mix Ratio (By volume)	1: 1
Viscosity at 25 <sup>o</sup> C	400-1000 cps
Tensile Strength	19 Mpa
Elongation	> 400%
Tear Strength N/mm	55
Hardness (Shore A)	85-95
Tack free time (T.F.T)	5-15 seconds
Trafficable (Light)	3-5 minutes
Fully Serviceable	12 hours

## THICKNESS

Minimum dry film thickness of 1.5 mm is achieved @ approximately 1.8 Kg/m<sup>2</sup>. The thickness of the membrane may vary depending on the application process.

## PACKING

Available Pack A in 210 Kg & Pack B in 200 Kg Container.

## STORAGE

Best before 12 months in original unopened container. Do not expose or open container to high humidity conditions.

## HANDLING PRECAUTION

**Hind Hydroflex Polyurea (H)** is non-toxic. Wearing of Hand gloves, mask, shoes and Safety goggles is a must while using and handling the product.

### 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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