



HIND HYDROFLEX POLYUREA

PRODUCT DATA SHEET

TWO COMPONENT ALIPHATIC POLYASPARTIC COLD APPLIED LIQUID WATERPROOFING MEMBRANE

DESCRIPTION

Hind Hydroflex Polyurea is two component, aliphatic, polyaspartic (cold polyurea) liquid applied waterproofing membrane based on elastomeric, hydrophobic, polyaspartic resins possessing excellent mechanical, chemical, thermal and weathering properties. It forms a continuous elastic waterproof and vapor-permeable membrane without seams or joints. Provides excellent adhesion to various substrates such as concrete, cement screeds, wood and almost all waterproofing membranes. Applicable even to irregular substrates.

USES

Hind Hydroflex Polyurea is recommended for use Under tile layers in Kitchen, Bathroom, balconies and flat roofs as long as quartz sand has been broadcasted on its last layer, under thermal insulation boards on flat roofs, Gypsum and cement boards and on Metal surfaces (with UV Topcoat) etc.

ADVANTAGES

- It forms seamless membrane.
- Zero VOC and is Eco-friendly.
- Excellent Abrasion, Impact and Puncture resistant.
- Posses an excellent chemical resistant property.

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** by roller, brush or spray. It is recommended that the surface to be primed with **Hind PU Primer @ 0.2-0.3 Kg/m²**.

PROPERTIES

Color	White
Mix Ratio (Part A: Part B by weight)	76:24
Pot Life @ 30°C	30 minutes approximately.
Density at 25°C	1.01 g/ml (sprayed film)
Viscosity of Mix (7/4 RPM)	5000 to 10000 cps
Non Volatile content of Mix (Solid by Volume)	100 %
Tensile Strength (ASTM D-412)	19 Mpa
Elongation at break (ASTM D-412)	> 550%
Tear Strength (ASTM D624C)	90 ± 4 (N/mm)
Hardness Shore D (ASTM D 2240)	Approx 55
Abrasion (1Kg, H22 wheels) ASTM D4060	0.4 mg/1000cycles
Abrasion (1Kg, CS17 wheels) DIN EN ISO 5470	10mg/1000cycles
Abrasion (1Kg, H22 wheels) ASTM D4060	36mg/1000cycles
Surface Dry	Approx. 40 minutes.
Drying Time	Approx. 6 Hours
Dry Film Thickness (DFT)	Upto 1.0 mm in 2 coats
Recoat time	After 6-7 hours
Service Temperature	-30°C , ± 135°C
Modulus 100/200/300 % ASTM D 412	>9/13/16 Mpa (N/mm ²) ASTM

PACKING

Available Pack **25 Kg (A +B)** Container.

STORAGE

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

HANDLING PRECAUTION

Hind Hydroflex Polyurea 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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