



OVERVIEW

WATERGRIP PU HYB. is a component; cold-applied, aliphatic polyurethane-modified waterproof coating with high elasticity, durability & and flexibility. It has a high level of resistance to weathering agents like UV rays, sunlight, frost, rainfall, etc.

PROPERTIES

- Water Based
- Single component
- New generation Hybrid Polyurethane based
- Free from dangerous materials like Coal tar and bitumen
- High elasticity & Flexibility
- High tensile strength and elongation
- Excellent resistance to weathering agents like UV, sunlight, frost and rain
- UV, sunlight, frost and rain
- Comply with most environmental and health regulations
- Eligible for green building regulations such as LEED

Area of use :

- **WATERGRIP PU HYB.** is recommended in Roofs, Domes, Terraces, Balconies, Sunken Slabs
- Wet areas such as Kitchen, Bathrooms & Water reservoirs
- Industrial Washrooms & Showers
- As a protective membrane for Polyurethane foam insulation
- Can be used to protect exposed reinforced concrete from carbonation & chloride attacks

PACKAGING & STORAGE

WATERGRIP PU HB is available in 20 kg packs. For site installations or mass consumptions, deliveries shall be made in bulk custom-designed containers. **WATERGRIP PU HB** should be stored in cool, dry, and shaded warehouses. Shelf life is 12 months when stored under cover, out of direct sunlight, protected from extreme temperatures, and as per recommendations. In extreme tropical climates, the product must be stored in a cooled ambience. Excessive humidity and overexposure to UV will result in the reduction of shelf life.

PRODUCT MANAGEMENT

Surface Preparation

All the substrates must be dry and free of dust, dirt, oil, grease, and loose particles. Metal surfaces should be rust-free. This can be achieved by wire brushing or grit blasting. The metal surface should be primed

Priming

A primer coat is required to seal the pores and stabilize the surface. Diluted **WATERGRIP PU HB.** with 20% clean water should be used as a primer coat. It will improve the bond strength of the coating. This can be applied with a brush, roller, or spray

APPLICATION PROCEDURE :

The primer coat should be allowed to dry 30mins to 2 hrs (depending upon the temperature and humidity) before the application of **WATERGRIP PU HB.** The primer should be in semi-dried (slightly tacky) condition. **WATERGRIP PU HB** can be applied by brush or roller but is probably best applied using an airless spray. Apply a minimum of two coats with undiluted material @1 kg/ m2 per coat for 1 mm thickness. It is important to ensure that each coat has to be cured totally before applying the next coat. Prior to the second coat, a close visual inspection of the surface should be made for any pin holes or surface irregularities. The second coat should be applied at 90° to the first, to ensure a full unbroken coating to the substrate. For improved results, a glass fiber mat can be embedded into the first coat while it is wet on all corners and other critical areas. Clean all the tools with water after use.

GRIPMIX provides an extensive range of products and services for most concrete and finishing needs. Please contact the GRIPMIX for Building Construction Materials Trading Co. LLC-Dubai for further information, samples, demonstrations and instructor services. The information presented in this leaflet is based upon laboratory research, as well as comprehensive field work and application. All products are sold subject to standard conditions of sale which are available on request. This information is based on GRIPMIX's current state of knowledge and is intended to provide general information on GRIPMIX's products and their methods of use. The potential user is recommended to determine the suitability of GRIPMIX's suggestions and products before adopting them on a commercial scale



HEALTH & SAFETY:

WATERGRIP PU HB contains no hazardous substances. As with all construction chemical products, caution should always be exercised. Protective clothing such as gloves and goggles shall be worn whilst handling. Wearing long sleeve overalls, safety shoes, and face mask is recommended for maximum safety. Reseal all containers after use and ensure the product is stored as instructed on the safety section of the labeling. Treat any splashes to the skin or eyes with fresh water immediately. Should any of the products be accidentally swallowed, do not induce vomiting, but call for medical assistance immediately. For more details, please refer to the MSDS released on each **GRIPMIX** product..

TECHNICAL DATA

Appearance	White/Grey Liquid and other colors
Density	1.26gm/cc
Solid Content	60% ± 2% by weight
Elongation break	>500%
Toxicity	Non Toxic
Application temp	10oC to 50oC
Service temp	-4oC to 60oC
Tensile Strength	1.9Mpa
Tear Resistance	8-12N/mm
Minimum Recovery	90%
Resistance	Acid, Alcohol, Petrol, UV, Carbonation and Chloride Ion diffusion