

HIDROPOL HYBRID - BASED

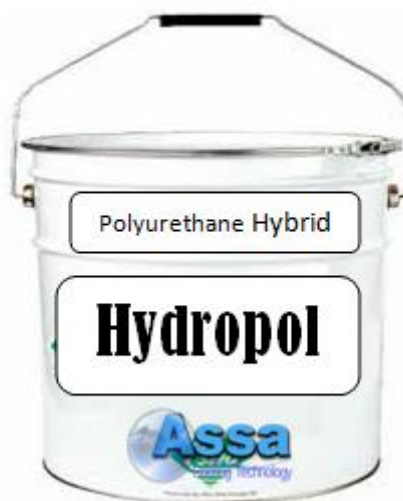


HIDROPOL-H BASED ELASTOMERIC WATERPROOFING MEMBRANE FOR WATERPROOFING AND PROTECTION

- ✓ Elastic behaviour
- ✓ Excellent resistance to solar radiation
- ✓ Zero chalking - Color stability
- ✓ High mechanical strength
- ✓ high reflectivity

The **HIDROPOL-H** is a one-component hybrid-based elastomeric waterproofing coating. It is used for waterproofing and protection of the surfaces.

Its composition is a combination of elastomeric aliphatic polyurethane and acrylic polymers. Its final hydrophobic membrane does not shrink or crack and remains flexible at large temperature changes. It is also compatible, reflective, and resistant to aging and UV radiation. It is friendly-to-use since it does not contain solvents (one component water system). Exhibits excellent adhesion to many surfaces even without using a primer. It does not contain free isocyanates or other harmful substances.

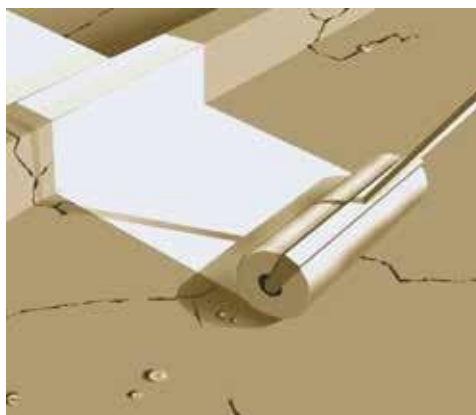


USES

HIDROPOL-H is suitable for:

- Waterproofing concrete surfaces such as roofs, porches, balconies, bathrooms, basements and walls.
- Use (excellent adherence) to surfaces of wood, metal and tiles, cement and asbestos.
- Reroofing surfaces that were previously sealed with bituminous membranes (asphalt) coated with granules, polyurethane or acrylic surface coatings.

- Waterproofing and protection of polyurethane foam insulation.
- Suitable for surfaces with low mechanical strength (mild foot traffic).





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APPLICATION METHOD

WEATHER CONDITION

Avoid rainy weather and temperatures below 5 °C.

SURFACE PREPARATION

- Surfaces should be regular, free from loose particles and dust, clean from oils and foreign matter. Blow them with compressed air. Avoid cleaning with water.
- Cracks should be primary filled with Assa DermaFill.
- For concrete surfaces use HYDROPOL PU PRIMER. In order to improve the mechanical properties of the substrate surface.
- Wet substrates should be avoided.
- In cases of substrates with bituminous residues, Assa PA-250 should be used to prime the surface before applying Hydropol-H.

APPLICATION

- Hydropol-H is cold applied by roller or airless spray gun in two to three layers. Each new layer is applied in a criss cross pattern with respect to the previous one, when the latter is dry. Time interval between two layers is at least 6 - 24 h and not more than 36 h. However, this largely depends on environmental conditions.

PACKAGING

In pails of 6kg and 15kg.

STORAGE

12 months from date of production if stored in a cool, dry place, in original unopened packaging. Once opened it needs to be consumed immediately.

- It is recommended to apply the material with a thickness of not more than 0,5 mm / layer, to avoid trapping bubbles.
- If dilution is desired, it is recommended to add water 10 - 20% per weight.
- Reinforcement (e.g. polyester fabric, glassfleece) may be used between two successive layers to increase the mechanical properties of the final film.

CONSUMPTION

Hydropol-H recommended consumption is between 1,3 – 2,0 kg/m². Consumption depends on the roughness of the surface.

CLEANING OF TOOLS

Tools are cleaned with water or with mechanical way in case that the product has already dried.

PRECAUTIONS

- If medical advice is needed, have product container or label at hand. Keep out of reach of children.
- Read label before use.
- Dispose of the contents/containers in accordance with the current legislation on waste treatment.
- Contains Mixture of: [EC no. 247-500-7] and [EC no. 220-239-6] (3:1). May produce an allergic reaction.

For more information pls ask the material's MSDS from Assa sales dpt.

HYBRID - BASED



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TECHNICAL CHARACTERISTICS

PROPERTIES	NOMINAL VALUE	UNIT	TEST METHOD
Surface membrane formation time	1-2, depending on weather conditions	hrs	
Viscosity	3000 - 4000	cPs	ASTM D 2196-86
Color	White		Observation
Density	1,30 ± 0,05	g/cm ³	ASTM D 1475
Elongation at break	800	%	DIN 53504
Reflectivity to solar radiation SR	84	%	ASTM E903-96
Emissivity in the infrared radiation (± 0,02)	0,85		ASTM E408-71
Tensile strength	4.00	N/mm ²	DIN 53504
Hardness	SHORE A: 50		ASTM D 2240
Resistance to aging: Submit to artificial aging 2000hrs, consisting of the following courses:	Conservation of mechanical properties Maintaining flexibility No discoloration No chalking		ASTM G 53: QUV- se ACCELERATED WEATHER CYCLIC CORROSION TESTER
a. 4hrs exposure to ultraviolet radiation in an environment of 60 °C b. 4hrs exposure to humidity, 50 °C			
Water vapor permeability	20	gr/m ² /hr	ISO 9932
Adhesion to concrete	> 1.5	N/mm ²	ASTM D 903
Resistance to temperature changes	- 40 to +90	°C	
Application temperature	+5 to +40	°C	
Full curing is achieved (23 , 50% r.h.)	about 7	days	

T= Tolerances in the nominal values are in accordance with respective standards. Producer reserves the right to modify the properties of his products.

Directions given on or in the packages or containers will always prevail.

The information contained in this leaflet is, to the best of our knowledge, true and reliable and is supported by the present state of our knowledge. According to the care taken and the method of application, upon which we have no influence, the values are subject to divergence. Therefore for best results, prior to use, an application test should be made by the user under his own processing conditions.

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