

HYDROTHANE CAP

Two component, fast curing, non-yellowing aliphatic UV resistance polyurethane coating

Description:

HYDROTHANE CAP is a two component, fast curing, non-yellowing aliphatic Polyurethane coating with excellent properties of hardness, adhesion, flexibility and chemical resistance.

HYDROTHANE CAP is based on pure elastomeric low viscosity polyurethane resin which cures once the two components are mixed to produce a transparent membrane with very strong adhesion on most types of substrates. As it is aliphatic, no yellowing effect will result if applied exposed to the sunlight.

Applications:

For waterproofing and protection in the following:

- Industrial floors
- Building materials like stone, marble, bricks and wood
- Wooden floors
- Balconies, Terraces, Roof
- Fountains, Water tanks, swimming pools.

Advantages:

- Strong and uniform adhesion on almost any type of surface.
- Highly hydrophobic
- Excellent heat and ultraviolet/UV resistance, it will not yellow, peel or soften up to 90°C outstanding resistance to chemicals and mechanical stresses (high tensile strength and abrasion resistance)
- Simple application
- Excellent mechanical, chemical and thermal resistance

- Resistant to constant, heavy abrasion and wear condition.
- Gives a glossy and easy-to-clean surface.
- Maintains its mechanical properties over a temperature span of -40°C to +90°C.
- The waterproofing surface can be walked on (public pedestrian traffic).

Instructions for Use:

Surface Preparation:

The surface should be sound, clean, dry and free from loose and flaking materials, efflorescence, laitance, curing compounds, dirt, oil, rust, grease or other contaminants. Concrete should be cured for at least 28 days and have moisture content less than 5%. In case of deep contamination, or for application on old or existing surface, use mechanical methods like grinding or grit/ captive blasting in order to remove deep contamination to ensure clean and sound substrate.

Mixing:

HYDROTHANE CAP is composed of two components that must be mixed at the time of use. Mix the contents of component A (Base) with a low speed mixer for one minute to homogenize the content of the container. Slowly add the entire contents of part B (Hardener) to Part A container and mix thoroughly the material with low speed mixer (200-300 rpm) fitted with suitable paddle, for an interval of 3-4 minutes confirming a homogenous, color consistent mixture is reached.

Application:

After mixing, allow the product to rest for 2 minutes to release entrapped air, HYDROTHANE CAP can be applied by brush, roller or spray machine. Apply first coat with a thickness of 75 to 100 microns dry film thickness, as a protective coating high build is not required. Second coat of HYDROTHANE CAP can be applied within 3-5 hours of application of first coat, if required. Allow 1 day for

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pedestrian traffic and 3-5 days for full traffic to ensure proper curing of the materials.

HYDROTHANE CAP can be applied as a single top coat, or as a multi coat sandwich system incorporating aggregates to give a slip.

Coverage:

One litre of HYDROTHANE CAP will cover 10 m² at a rate of 100 micron thickness.

Packaging:

HYROTHANE CAP is supplied in 4 liter and 10 liter set of two parts metallic containers.

TECHNICAL PROPERTIES	
Color	: Clear
Resistance to water pressure	: No Leak
Solid content 65 %	
Pot life	: 60 minutes
Tensile Strength	: > 35 N/mm ²
Hardness (Shore D Scale)	: 40
UV accelerated ageing, in the presence of	: Passed – No significant changes
Tack Free time	: 4 hours
Light pedestrian traffic time	: 24 hours
Final Curing Time	: 7 days

Storage:

Store in original packing in dry conditions away from direct sunlight in a temperature-controlled warehouse.

Shelf Life:

HYDROTHANE CAP can be utilized within 12 months of production date if stored in proper conditions in unopened original packing.

Cleaning:

Clean tools with ARMOSOLVENT promptly before material hardens. Cured material must be mechanically removed.

Remarks:

- For the best results, the temperature during application should be in the range between 5 C and 35 C. high humidity may affect the curing process
- Do not applied on metal coated surfaces as the solvent content might affect the color.
- Keep the pail closed if not used as the product reacts with humidity.

Health and Safety:

Contains volatile flammable solvents. Apply in well-ventilated, no smoking areas, away from naked flames. In closed spaces use ventilators and carbon active masks. Keep in mind that solvents are heavier than air so they creep on the floor.

MATEX Rev.01-0122

This technical data sheet is not considered as local building codes. It shall be used as general reference for the product, based on our current knowledge and experience. However the company do not accept any liability arising from the use of its products as it has no direct control on how and where the product is applied.

