NEXT GENERATION TORTOISE SOLUTIONS

TORTOISE® TORPUR TOPCOAT WP

Polyurethane Based, One Component, Liquid, Aliphatic Last Layer Waterproof Coating

PRODUCT DESCRIPTION

Torpur TOPCOAT WP, is a single component, ready-to-use, liquid-applied, quality-enhancing, solvent-based, aliphatic polyurethane waterproofing coating that curing with air humidity. Has high UV resistance and preserve its color.

APPLICATION AREAS

Torpur TOPCOAT WP used for the protection of the following surfaces for waterproofing,

- As a polyurethane or polyurea waterproofing protective topcoat material,
- With a suitable primer on metal surfaces such as iron, steel and aluminum,
- It should be applied with suitable primer on building materials like concrete, stone, wood, marble etc.

PROPERTIES

- Suitable for cold application and can be easily applied with a roller, trowel, brush or airless spray gun.
- Maintains its flexible structure continuously,
- Resistance to ponding water and frost
- Can be applied without attachment.
- High resistance against UV and Frost.
- It maintains physical properties at -30ºC / + 90ºC.
- Water vapor permeable and allows the surfaces to breathe.
- Excellent adherence properties.
- Exhibits effective resistance against chemicals.
- Does not contain toxic substances after it has been cured.

PRODUCT INFORMATIONS

PACKAGING

- 20 Kgs Pail
- 10 Kgs Pail

COLOR

- White,
- Blue,
- Grey,
- RAL Colors

SHELF LIFE

- The shelf life is 12 months if the specified storage conditions are followed in its original unopened packaging.

STORAGE CONDITIONS

- Store in a dry and cool environment (between +15ºC / + 25ºC)
- It should be protected from water, frost, heat, ignition, direct sunlight and adverse weather conditions
- The date of manufacture is on the label.
- Even opened packages are tightly closed, the inside of the product will be curing quickly so that the opened cans should be consumed in short time.

CONSUMPTION

0,200 gr.- 0,300 gr/m² (as single layer)

- Consumption may vary depending on surface roughness, ambient and surface temperature and application method.

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INSTRUCTIONS

SURFACE PREPARATIONS

The surfaces to be applied should be dry and clean. Concrete and plaster residues mechanically: oil, grease, fuel and paraffin wastes should be cleaned using chemical solvents. Damaged coatings, uneven surfaces and cracks should be repaired with appropriate products. After the repair, the surface should be primed with **Torpur SA 015** or sanded and then the application of **TORPUR TOPCOAT WP** should be started.

Concrete substrate conditions (standard):
Hardness: R28 = 15MPa.
Temperature: 5-35 °C.
Relative humidity: <85 %.

PRIMING

The surface should be primed with **Torpur SA 015** and then the application of **TORPUR TOPCOAT WP** should be started.

PREPERATION of MATERIAL

Torpur TOPCOAT WP is ready for use with one component.

Before applying the product, mix with a suitable mixer at a speed of 300 RPM for 2-3 minutes.

- The packages should kept at room temperature for 24 hours are opened and mixed until homogenous consistency.

APPLICATION

Torpur TOPCOAT WP is applied in thin coat with thin comb trowel, airless spraying machines or brush or roller.

- Do not wait more than 24 hours between layers.
- In case of exceeding 24 hours, the application surface must be treated with sandpaper.
- If it is thought to be applied by spraying method, material should be applied after being diluted with Tortoise Polyurethane Thinner.
- The packages kept at room temperature for 24 hours are opened and mixed until homogenous consistency. Mixing should be done with low speed mixer and appropriate mixer tip.
- **Torpur TOPCOAT WP** offers practical application in ready-to-use packaging, which can be applied without thinning.
- **Torpur TOPCOAT WP** spreads homogeneously by making consumption control on the primed surfaces with the help of thin comb trowel, short-hair roller brush or airless spray gun.
- The layer must be protected against water and rain, external influences and mechanical stress until it is dry.
- It should be kept in mind that the waiting time in hot weather may be shortened and may be extended in cold weather.

SAFETY

- Wear gloves, goggles and protective clothing.
- In case of contact with skin, wash with soap and water.

Users should refer to the latest Material Safety Data Sheets, including physical, ecological, toxicological, and other safety-related data for information or advice on the safe transport, storage, disposal of chemical products.

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CLEANING TOOLS

- Cleaning of the tools should be done with soapy water before curing.
- After curing cleaning should be done with thinner.

LIMITATIONS

- In closed areas due to long-term solvent odor and/or vendors the environment should be well ventilated.
- The surface temperature should be +5ºC. The mixture of the material should be made with a special mixing device and tip which does not exceed 300- 400 RPM and it should not be mixed with high speed drill.
- In cold weather, packagings must be stored at a minimum temperature of +15 ºC for at least 24 hours prior to application.
- Water vapor pressure should not be observed on the negative side. In such a case, special insulation must be applied before application.
- After the application, the surface must be protected against water, rain, dew, snow, hail etc. until it is dry.
- Full mechanical and chemical strength will occur in 7 days should be considered.
- Check the flow of vertical surfaces, apply as thin layers.
- Contains solvent, flammable.
- Do not contact with open flames and do not smoke during application.
- Do not swallow, Do not use empty packages for storing foodstuffs and do not throw them into fire.
- For professional use only, keep out of the reach of children.

DECLERATION

The information contained herein and in particular the application and end-use recommendations are provided in good faith, based on our current knowledge and experience, when properly stored, prepared and applied. The document, not being able to cover all possible scenarios or imply product suitability for every case of application. Products, application surfaces and application areas are quite diverse in practice. Therefore, when using our products, be sure to apply the right product in the right conditions and in the right place, and strictly follow the information and instructions given by our company regarding commercial convenience and/or suitability for a particular purpose. Otherwise, our Alpa is not responsible for damages that may occur.
The user of the product (user) must test the suitability of the product for the application and purpose for which it intends to use the product. We reserve the right to change the specifications of our products. Property rights of third parties should be observed. Upon acceptance of all orders, our current terms of sale and shipping shall prevail.
Users should always consider the latest edition of the Product Data Sheet (TDS), which we can obtain from our company or our website, by contacting our company for the relevant product.

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TECHNICHAL DATA

PROPERTIES (23ºC & % 55 RH)	**UNIT**	**METHOD**	**SPECIFICATIONS**
Viscosity (BROOKFIELD)	cP	ASTM D2196-86	1000-3000
Density	gr/cm^3	ASTM D1475 / DIN 53217 / ISO 2811	1.25 ± 0,05
Solids Content by Weight	%	ASTM D2369	85-90
Walkable on Time	Hour	-	8-12
Recoat Time	Hour	-	8-12
Hardness (7 days)	Shore A	ASTM D2240 / DIN 53505 / ISO R868	65-70
Tensile Strength (7 days)	N/mm^2	ASTM D412	> 3
Elongation at Break	%	ASTM D412	> 300
Adhesion to Concrete	N/mm^2	ASTM D4541	> 2
Flash point	ºC	ASTM D93	>30
UV Accelerated Weathering Test	-	ASTM G53	Passed (1000 hours)
Volatile Organic Compound (VOC)	g/L	ASTM D3960	100-130
Shelf life	month	-	12