



NEXT GENERATION TORTOISE SOLUTIONS

TORTOISE® TORPUR HJ 1006 TX

Polyurethane Based, One Component, Liquid, Thixotropic Waterproof Coating

PRODUCT DESCRIPTION

Torpur HJ 1006 TX is a single component, thixotropic, aromatic, polyurethane based waterproof coating that bridges cracks, curing with air humidity. Liquid, ready to use and especially prepared for vertical surfaces. It adheres perfectly to different surfaces, creating a durable film. It has high mechanical and chemical resistance and is resistant to tensile, tear and abrasion with its flexible structure.

APPLICATION AREAS

Torpur HJ 1006 TX is used for the protection and waterproofing of the following vertical surfaces;

- In terrace, roof and rain gutters which is not exposed to direct sunlight,
- On patio and balconies which is not exposed to direct sunlight,
- Ceramics under wet volumes,
- On light roofs made of metal and fibrous materials,
- Bitumen, PVC, EPDM based membranes,
- Used with appropriate primers on concrete, wood and metal surfaces

PROPERTIES

- Can be applied on vertical surfaces,
- Creates a crack bridge,
- UV resistant,
- Easy application (With roll or airless spray gun),
- Can be applied without addition,
- Resistance to ponding water,
- Maintains physical properties at -30°C / + 90°C,
- Water vapor permeable and allows the surfaces to breathe,
- Excellent adherence properties,
- Has effective resistance to chemicals,
- Does not contain toxic substances after it has been cured.

PRODUCT INFORMATION

PACKAGING

- 19,5 Kgs Pail
- 10 Kgs Pail

COLOR

- White
- 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 +15°C / + 25°C)
- 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

- First layer : 0,600 - 0,800 kg / m²,
- Second layer : 0,600 - 0,900 kg / m²
total 1,5 kg / m² (min.)

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



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APPLICATION 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 EP or PU based primer depending on the situation and then the application of **TORPUR HJ 1006 TX** should be started.

- Hardness of application concrete (R28 = 15 Mpa)
- Temperature: 5-35 °C
- Relative humidity of air: < 85%

PRIMING

Highly absorbent surfaces such as concrete, cement screed or wood should be filled with PU or Epoxy lining before the primer application, without creating a film.

It is of great importance for a correct application that the surface is smooth and saturated with primer. If the surface is not cleaned and primed properly, it can lead to the removal of the applied product from the surface, and the formation of problems such as bubbles, craters, pinholes etc. on the surface.

PRIMER SELECTION

| SURFACE PROPERTIES | Torpur Epoxy Primer Barrier | Torpur Epoxy Primer | Torpur Primer EP Filler | Primer AS 014 | Torpur SA 015 |
|--|-----------------------------|---------------------|-------------------------|---------------|---------------|
| Humidity ≤ %4 | ✓ | ✓ | | ✓ | |
| Humidity %4 - %8 | ✓ | | | | |
| Non-uniform Concrete Surfaces | | | ✓ | | |
| Metal, Aluminum, Marble, Ceramic, Galvanized Coated Surfaces | | | | | ✓ |
| Wood | ✓ | | | | ✓ |
| PVC | | | | ✓ | ✓ |
| Highly Absorbent Surfaces | ✓ | ✓ | | ✓ | |
| Bitumen Coated Surfaces | | | | ✓ | |

PREPERATION of MATERIAL

- **Torpur HJ 1006 TX** 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.
- Make sure to scrape the solids and the aggregate from the bottom and sides of the pail. The aggregate should be evenly diffused in the resin.
- The packages should 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.

APPLICATION

Torpur HJ 1006 TX is applied in 2 coats 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**.



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- 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 HJ 1006 TX** offers practical application in ready-to-use packaging, which can be applied without thinning.
- **Torpur HJ 1006 TX**, 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.

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.

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 layer must be protected against water, external influences and mechanical stress until it is dry.
- **Torpur HJ 1006 TX** is UV resistant, but will fade or discolor over time when exposed to UV and under certain artificial lighting conditions. It is recommended to use **Torpur Topcoat**

WP or Torpur Topcoat Transparent products after HJ 1006 TX is applied for color resistance and longer term protection.

- In case of application of the second layer, wait between the layers (approximately 8-12 hours). It should be kept in mind that the waiting time in hot weather may be shortened and may be extended in cold weather.
- The product should be applied in thin layers to avoid problems such as pinhole and crater. The amount to be applied to the floors is specified in the consumption section.
- The surface temperature should be + 5°C. The mixture of the material should be made with a special mixing device and tip which does not exceed 300- 400 d/d and it should not be mixed with high speed drill.
- In cold weather, packagings must be stored at a minimum temperature of +15 °C 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.
- Not suitable for waterproofing of swimming pool surfaces in contact with chemically treated water.
- After the application, the surface must be protected against water until it is dry.
- Full mechanical and chemical strength will occur in 7 days should be considered.
- Contains solvent, is flammable.
- Do not approach with open flame and do not smoke during application.
- Do not swallow, do not use empty packages for food storage and do not dispose of in a fire.



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- For professional use only, keep out of reach of children.

DECLARATION

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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TECHNICAL DATA

| PROPERTIES (23°C & % 55RH) | UNIT | METHOD | SPECIFICATIONS |
|---------------------------------|-----------------------|-----------------------------------|----------------|
| Viscosity (BROOKFIELD) | cP | ASTM D2196-86 | 15000-20000 |
| Density | gr/cm ³ | ASTM D1475 / DIN 53217 / ISO 2811 | 1.35 ± 0,05 |
| Solids Content by Weight | % | ASTM D2369 | 80-85 |
| Flash Point | °C | ASTM D93 | >40 |
| Walkable on Time | Hour | - | 8-12 |
| Recoat Time | Hour | - | 8-12 |
| Hardness (7 days) | Shore A | ASTM D2240 / DIN 53505 / ISO R868 | 50-60 |
| Tensile Strength (7 days) | N/mm ² | ASTM D412 | > 2 |
| Elongation at Break | % | ASTM D412 | > 600 |
| Adhesion to Concrete | MPa | ASTM D4541 | 1,5-2 |
| Volatile Organic Compound (VOC) | g/L | ASTM D3960 | 120-160 |
| Shelf life | month | - | 12 |
| Water Vapor Transmission | gr/m ² .hr | ASTM E96 (Water Method) | 0.8 |