NEXT GENERATION TORTOISE SOLUTIONS

TORTOISE® TORPUR SA 015

Silane Based, One Component, Low Viscosity, Primer and Impregnating Material for Non-Absorbent Surfaces

PRODUCT DESCRIPTION

Torpur SA 015, is a single component, silane based, low viscosity, high mechanical and chemical resistance, which can be penetrated into the depths of the surface, and a surface impregnation and primer material which fills the gaps and the pin holes of the surface to be applied

APPLICATION AREAS

Torpur SA 015, is used for the protection and waterproofing of the following surfaces;

- Natural Stones
- Ceramic surfaces
- Metal surfaces,
- Plastered surfaces,
- Wood surfaces,
- PVC based surfaces,
- Bitumen based surfaces,

PROPERTIES

- Suitable for cold application and can be easily applied with a roller, trowel, brush or airless spray gun.
- It has excellent adhesion and can be applied to any surface easily.
- Single component,
- Low viscosity,
- Strongly adheres to glassy and non-porous substrates,
- Non-staining,
- Perfectly absorbs and impregnates the surface as a whole / uninterrupted and homogeneous surface
- Does not contain toxic substances after curing.

PRODUCT INFORMATIONS

PACKAGING

- 2,5 Kg

COLOR

- Liquid amber

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

50-60 gr/m²

• Consumption may vary according to surface roughness, ambient and surface temperature and application method.

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APPLICATION INSTRUCTIONS

SURFACE PREPARATIONS

- Application surfaces must be dry and clean. Concrete and plaster residues mechanically; oil, grease, fuel and paraffin wastes should be cleaned using chemical solvents.
- Damaged and unstable surfaces and cracks should be repaired with suitable products. The surface must have a compressive strength of at least 25 N/mm² and a pull-off test result of at least 1.5 N/mm². New concrete must be at least 28 days old, concrete surfaces must have a maximum moisture content of 8%.
- Cement residues and bright cement grout on the concrete surface should be cleaned with tools such as sandblasting, milling, wiping machine, driven grinding and the surface should be roughened.
- The entire surface should be cleaned of dust with an industrial vacuum cleaner. Concrete surfaces in contact with the soil to be coated must be insulated with water and water vapor barrier materials beforehand.
- The relative humidity of the air should be 85% maximum and the application temperature (environment and surface) should be between +5°C and +35°C.
- It should not be exposed to rain, humidity and water 24 hours before the application, during the application and until 24 hours after the application. The applied material should be protected against external factors and mechanical stresses until it is fully cured.
- The ground temperature must be 3°C above the current dew , (condensation and liquefaction of the air humidity) temperature.
- In case of dew or frost, our technical team should be consulted.

PREPERATION of MATERIAL

Torpur SA 015 is a ready-to-use, one-component product, no thinner is required.

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. Mixing should be done with low speed mixer and appropriate mixer tip.

APPLICATION

Torpur SA 015 is easily applied by wetting a clean cloth.

- The product, which is made ready for application, is applied in such a way that the surface is saturated and the pores are closed.
- Minimum 2-3 hours (23°C) and maximum 24 hours as a new layer application time on top of the layer. It should be taken into account that the waiting time may be shortened in hot weather and extended in cold weather. Primer surface must be sanded before new coat applications exceeding 24 hours.

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- Packages kept at room temperature for 24 hours should be opened and mixed before application. Mixing must be done by choosing a low-speed mixer and a suitable tip.
- It is very important that the second coat is applied within the above-mentioned new coat application time. It reaches full mechanical and chemical resistance (at 23 ºC, 55% RH) in 7 days.

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.
- Apply minimal amount of product as stated in consumption part,
- 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.
- 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.
- Not suitable for waterproofing of swimming pool surfaces in contact with chemically treated water.

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.

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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.

TECHNICHAL DATA

PROPERTIES (23ºC & %55 RH)	**UNIT**	**METHOD**	**SPECIFICATIONS**
Viscosity (BROOKFIELD)	cP	ASTM D2196-86	100± 25
Density (Specific weight)	gr/cm^3	ASTM D1475 / DIN 53217 / ISO 2811	1,00 ± 0,05
Flash Point	^oC	ASTM D93	>25
Recoat Time	minute	-	60
Shelf life	month	-	12
Curing Time	hour	(25 °C, %55 RH, hour)	4-6