



NEXT GENERATION TORTOISE SOLUTIONS

TORTOISE® TORPUR TURF

Polyurethane Based, Two Component, Liquid, Adhesive

PRODUCT DESCRIPTION

Torpur TURF, is a two component, solvent-free, polyurethane based adhesive which can be used in indoor and outdoor areas.

APPLICATION AREAS

Torpur TURF used for the adhesion of the following surfaces;

- Adhesive of synthetic lawn carpets
- Adhesion of rubber floor coverings,
- Adhesion of sports fields (carpet pitch)
- It is used in PVC based membranes.

PROPERTIES

- Solvent free,
- High adhesion strength
- Elastic
- High strength in different weather conditions
- It has excellent adherence properties.
- Resistant to heavy loads.
- It does not contain toxic substances after it has been cured.

PRODUCT INFORMATION

PACKAGING

- A + B = 21 + 3 kg

COLOR

- Green
- 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 1,2-1,5 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

- Application surfaces should be dry and clean. Concrete and plaster residues are mechanically; Oil, grease, fuel and paraffin wastes should be cleaned using chemical solvents.
- Damaged and cracks must be repaired with available product. 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.
- The new concrete must be at least 28 days old and the concrete surfaces must have a maximum moisture content of 8%.
- Cement residues and shiny cement grout on the concrete surface should be cleaned by sandblasting, milling, wiping machine, driven grinding and the surface should be roughened. The entire surface must be cleaned of dust.
- The relative humidity of the air should be at most 85%, 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 application, during application and 24 hours after application.
- The Applied Material must be protected against external factors and mechanical strain until it is fully cured.
- The floor temperature should be 3°C above the condensation temperature of the moisture in the air at that time.

PREPERATION of MATERIAL

The mixing time of the two components should be taken into account and prepared at the specified mixing rate until the amount to be consumed. In order to obtain a homogeneous mixture, the product temperature should not be less than 15 ° C.

The A component should be stirred quickly with a mechanical mixer, adding the hardener (component B) to the mixing ratio. Components A and B should be mixed with a mechanical mixer for at least 3 minutes until homogenous.

- 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 TURF is applied with a fine notched trowel or trowel

- The mixture, which is ready for application, is applied to the to be saturated and pores to be closed. New coat application time is at least 4 hours (23°C), up to 24 hours.
- The primer surface should be sanded before the application of new coats exceeding 24 hours. It is very important that the second coat is applied within the new coat application period mentioned above. It reaches a complete mechanical and chemical resistance 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.



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LIMITATIONS

- In closed areas due to long-term odor and/or vendors the environment should be well ventilated.
- 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 RPM 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.
- 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.
- Do not swallow, do not use empty packages for food storage and do not dispose of in a fire.
- 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, 55 % RH) | UNIT | METHOD | SPECIFICATIONS |
|---|--------------------|--------------------------------------|----------------------------------|
| View A Component: TURF B Component: Hardener | - | - | Green, Ral Colours Dark brown |
| Mixing ratio A Component: TURF B Component: Hardener | - | - | A:B 7:1 |
| Density A Component: TURF B Component: Hardener | gr/cm ³ | ASTM D1475 / DIN 53217 / ISO 2811 | 1,70 ± 0,05 1,20 ± 0,05 |
| Application time | Minutes | - | 30-40 |
| Hardness time | Hours | - | 4-5 |
| Mechanic resistance | Hours | - | 8 |
| Chemical resistance | Days | - | 7 |
| Serve temperature | °C | - | +5°C/+30°C |
| Shore A hardness | Shore A | ASTM D2240 / DIN 53505 / ISO R868 | 85-90 |