NEXT GENERATION TORTOISE SOLUTIONS

TORTOISE® TORPUR GPA 913

Polyurethane Based, Two Component, Liquid, Adhesive

PRODUCT DESCRIPTION

Torpur GPA 913, **is a two component, polyurethane based s**olvent free and elastic general purpose adhesive. High early and final bonding strength and it is thixotropic.

APPLICATION AREAS

Torpur GPA 913 used for the adhesion of the following surfaces;

- Wooden coatings,
- Rubber coatings,
- Heat insulation plates
- Metal,
- Ceramics,
- Different kinds of parquet
- Marble and granites,
- Suitable for indoor and outdoor usage.

PROPERTIES

- Solvent free,
- Bond shore elastic,
- High early and final bonding strength,
- Suitable for use with under floor heating,
- Shows effective resistance against chemicals (solvents, oils, sea water, thinned acids and sulfates).
- It does not contain toxic substances after it has been cured.

PRODUCT INFORMATIONS

PACKAGING

- A + B = 9 +1 kg

COLOR

- Beige,
- 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

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

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APPLICATION INSTRUCTIONS

SURFACE PREPARATIONS

The surface should be purified from humidity. The application field should be cleaned out all other coatings and purified from oil, dust, dirt and slack materials. Torpur GPA 913 application should be started.

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

PREPERATION of MATERIAL

Torpur GPA 913 has two components and is mixed with 9 parts by weight of resin and 1 part of hardener until a homogeneous mixture is obtained.

Before applying the product, mix it with a suitable mixer at 300 rpm until it becomes homogeneous.

- 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 GPA 913 is applied with a fine notched trowel or trowel

- The packages, which are kept at room temperature for 24 hours, are opened and mixed until they reach a homogeneous consistency. The mixing process must be done with a low-speed mixer and a suitable mixer tip.
- The mixture is applied with materials suitable for the surface.
- The product should be protected against water and rain, external factors and mechanical stresses until it dries.
- Curing time may be shortened hot weather 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.

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 ºC. 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.
- 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.

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 (23 ºC, 55 % RH)	**UNIT**	**METHOD**	**SPECIFICATIONS**
Mixing ratio A Component: GPA 913 B Component: Hardener	-	-	A:B 9:1
Density A Component: GPA 913 B Component: Hardener	gr/cm^3	ASTM D1475 / DIN 53217 / ISO 2811	1,75 ± 0,05 1,20 ± 0,05
Application time	Minutes	-	30-45
Hardness time	Hours	-	5
Mechanic resistance	Hours	-	8
Chemical resistance	Days	-	7
Serve temperature	ºC	-	+5°C/+30°C
Shore A hardness	Shore A	ASTM D2240 / DIN 53505 / ISO R868	85-90