



NEXT GENERATION TORTOISE SOLUTIONS

TORTOISE® TORPUR 147

Polyurethane based, One component, Joint Filler Sealant

PRODUCT DESCRIPTION

Torpur 147 is a single component polyurethane based joint sealant with high mechanical and chemical resistance, tensile, tear and abrasion resistance. Suitable for use in horizontal and vertical joints. Preserve its elastic form and curing with air humidity.

APPLICATION AREAS

Torpur 147 ;

- Internal and external horizontal / vertical expansion joints of structures,
- In horizontal and vertical expansion dilatations between
- In irrigation channels
- It is used as a joint sealant in concrete, wood and metal surfaces.
- It is also suitable for use in joints in waste water and treatment pools.

PROPERTIES

- Resistant to chemicals.
- Does not contain toxic substances after curing.
- Excellent adhesion.
- Suitable for outdoor applications and UV resistant.
- Paintable
- Resistant to different weather conditions. (-30°C/+120°C)
- Create a smooth surface.

PRODUCT INFORMATIONS

PACKAGING

- 600ml sausage packing

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

Joint Width x Joint Depth (mm)	Consumption (m/600 ml sausage pact.)
5x5	24,0
10x10	6,0
12x10	5,0
15x10	3,9
20x10	3,0
40x15	0,9



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APPLICATION INSTRUCTIONS

SURFACE PREPARATIONS

Application surfaces should be dry and clean. Concrete and plaster residues should be mechanically; Oil, grease, fuel and paraffin wastes should be cleaned using chemical solvents.

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

PRIMING

It adheres easily to many surfaces such as metal, wood, concrete, etc. without the need to primer application.

APPLICATION

Torpur 147 is applied with a sausage gun.

- The applied material should be protected against water and rain, external factors and mechanical stresses until it cures.
- By using backing rod, the consumption of Torpur 147 is prevented from sticking to the joints. The size of the backing rod must be bigger than 20% to 25% of the joint diameter.
- Joint width and depth should not be less than 5mm.

For hand applications; place the sealant Torpur 147 into the gun and inject the sealant into the joint without causing any air bubble.

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.

CHEMICAL RESISTANCE

It is resistant to water, sea water, dilute alkalis, cement slurry and water dispersing detergents.



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LIMITATIONS

- In closed areas due to long-term solvent odor and/or vendors the environment should be well ventilated.
- In cold weather, packaging must be kept at least 24 hours +15°C before application.
- There should be no water vapor pressure on the surfaces to be applied on. In such a case, special insulation should be applied before the application.
- After application, the surface should be protected from water, rain, dew, snow, hail and so on until it is fully dry.
- Total mechanical and chemical resistance is achieved in 7 days.
- Keep product away from contact with open flames and do not smoke during application.
- Work only in well-ventilated areas and in open areas. Keep in mind that solvent may smell indoor.
- Wear gloves, goggles and protective clothing.
- In case of contact with skin, wash with soap and water.
- 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

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 & % 50 RH)	UNIT	METHOD	SPECIFICATIONS
Density (Specific weight)	gr/cm ³	ASTM D792	1.25 ± 0,05
Hardness (7 days)	Shore A	ASTM D2240	35-40
Working Temperature	°C		+5°C/+30°C
% Elongation	%	ASTM D214	> 600
Touch time	Minute		60-90
Hardening time	Hour	-	24 (For 2mm-3mm thick)
Max. Joint Range	cm		4
Solid content	%	ASTM D2369	94-96
Flash point	°C	ASTM D93	>60
Adhesion to concrete	MPa	ASTM D4541	1,5-2
Volatile Organic Compound (VOC)	g/L	ASTM D3960	40-60
Shelf life	month	-	12