NEXT GENERATION TORTOISE SOLUTIONS

TORTOISE® TORPUR JS 015

Polyurethane based, Two Component, Joint Filler Sealant

PRODUCT DESCRIPTION

Torpur JS 015 is polyurethane based two component coal tar modified sealant. Self leveling, suitable for heavy traffic and has resistance to surface movements. Does not affect from sea water, jet fuels, hydraulic materials, oil.

APPLICATION AREAS

Torpur JS 015;

- Internal and external horizontal / vertical expansion joints of structures,
- In horizontal and vertical expansion dilatations between prefabricated elements in all kinds of buildings,
- Especially used in Airport fields (running tracks), Park, Bus station, Gas station, Highways, Petrochemical and other industry facilities (their roads and concrete fields),
- Crack fillings at airports, highways, bridges.

PROPERTIES

- Perfect adhesion,
- Elastic (%600),
- Suitable for outdoor usage,
- UV resistant,
- Paintable,
- Resistant to different weather conditions (-30ºC/+120ºC),
- Create smooth surface.
- Jet fuel resistant.

PRODUCT INFORMATIONS

PACKAGING

- A + B = 10+2 kg

COLOR

- Black
- Dark brown

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.

NEXT GENERATION TORTOISE SOLUTIONS

TORTOISE® TORPUR JS 015

Polyurethane based, Two Component, Joint Filler Sealant

APPLICATION INSTRUCTIONS

SURFACE PREPARATIONS

Application surfaces must be dry and clean. Concrete and mortar wastes should be removed from the surface 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. After the repair, after priming with **Torpur AS 014 or SA 015 primer** depending on the surface condition, **TorpurJS 015** should be applied.

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

PRIMING

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 JS 015 has two components and is mixed with 5 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 and tip which does not exceed 300- 400 RPM and it should not be mixed with high speed drill until it becomes homogeneous.

The packages should kept at room temperature for 24 hours are opened and mixed until homogenous consistency.

APPLICATION

- 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 JS 015** is prevented from sticking to the joints. The size of the backing rod must be greater than 20% to 25% of the joint diameter.
- Joint width and depth should not be less than 5mm.

NEXT GENERATION TORTOISE SOLUTIONS

TORTOISE® TORPUR JS 015

Polyurethane based, Two Component, Joint Filler Sealant

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.
- 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.
- The surface temperature should be + 5 ºC and above 35 ºC.
- 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.

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.

NEXT GENERATION TORTOISE SOLUTIONS

TORTOISE® TORPUR JS 015

Polyurethane based, Two Component, Joint Filler Sealant

TECHNICHAL DATA

PROPERTIES (23 ºC, 55 % RH)	**UNIT**	**METHOD**	**SPECIFICATIONS**
View A Component: JS 015 B Component: Hardener	-	-	Black Dark brown
Mixing ratio A Component: JS 015 B Component: Hardener	-	-	A: B 5:1
Density A Component: JS 015 B Component: Hardener	gr/cm^3	ASTM D1475 / DIN 53217 / ISO 2811	1,55 ± 0,05 1.10 ± 0,05
Viscosity (BROOKFIELD) A Component: JS 015 B Component: Hardener	cP	ASTM D2196-86 / TS 5833 / EN ISO 3219	5000-8000 15000-20000
Application time	Minutes	-	30-45
Tensile Strength (7 days)	N/mm^2	ASTM D412	>0,65
Elongation at Break	%	ASTM D412	>650
Shelf life	Month	-	12
Shore A hardness	Shore A	ASTM D2240 / DIN 53505 / ISO R868	15-20