

## POLYTAR 100

Polymer-enhanced bituminous material for sealing motion detector slots and cracks in pavements LOOP DETECTOR SEALANT.

### Product description

POLYTAR 100 is a cold sealing material for filling traffic detector slots and cracks in asphalt pavements, parking lots, pavements, concrete surfaces and more.

### Product Uses

POLYTAR 100 is a material based on bituminous emulsion enhanced with polymers. The material is very flexible and has excellent capacity for adhesion to asphalt and concrete surfaces. The solidified material has a high recovery capacity and the ability to deal with both high and low temperatures.

### Packaging

18 kg Bucket



### Advantages

- ✓ The material levels itself, no special tools are needed.
- ✓ Easy to use, single-component, ready to apply directly from the material's original container.
- ✓ Wraps and protects the cables used as motion detectors from water.
- ✓ Can be applied in a damp groove/crack (not filled with water).
- ✓ Quick and easy application.
- ✓ Can be immediately opened for traffic with proper planning and use of an Agrotop (aggregate).
- ✓ Perfect sealing, functions well in summer and winter, does not spread in summer, does not crack in winter.
- ✓ High resistance to tension breach.
- ✓ Environmentally Friendly, does not contain organic solvents or harmful substances. Does not emit toxic gases during application, no special ventilation or masks are required.
- ✓ Clean tools with water while the material is still wet.
- ✓ Can be easily applied with a special pump.

## Technical Specifications

Property	Unit	ASTM D5329	Test results
Cone Permeability	mm 1/10	Max 90	Average: 72
High temperature resistance (leaks)	mm	max 3	Average: 0
Low temperature bonding/adhesion (3 tensile cycles at a temperature of 8°C-)	mm	The dimensions of the crack or adhesive opening will be max. 6.4mm	0
	Visual		No cracks or separation formed between the sealing material and the concrete
Asphalt compatibility (adhesion)	Visual	There will be no adhesion failure of the sample body	There was no adhesion failure of the sample body
Viscosity	spindle C, 10 RPM	Brookfield Viscosity	3-5
The shade of the material	Visual	Wet: dark brown dry: black	

## Method of use

### Surface Preparation

The crack or slot into which the motion detector was inserted must be cleaned and free of any loose material. Use compressed air or a water jet. It is advisable to treat the crack with a herbicide before filling the crack.

### Application

- ✓ Mix the material thoroughly before use.
- ✓ Do not dilute, use the material as received.
- ✓ For optimal results, use a suitable tool with a funnel at the end or a suitable pump to pour the material into the crack.
- ✓ The crack must first be filled to the top, the excess material must be removed with a V-shaped squeegee. At the end of the operation, spread aggregate material of the Agrotop type (Pazkar) or another suitable cover over the crack.
- ✓ Cracks at a width exceeding 12 mm must first be filled with washed and dried sesame gravel and only then filled with POLYTAR 100.

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## Method of use - continued

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### Cover

- ✓ The amount required is according to the size of the cracks. For an estimate, you can calculate according to 120-150 m in dimensions 10x 12.5 mm - about 18 liters.
- ✓ Cracks in a bottomless road must first be filled with dry sand to a height of 2.5-3 cm below the road surface.

### Drying time

- ✓ The curing time depends on the weather - humidity, wind speed, crack width and temperature. In addition, the depth of the crack also has an effect.
- ✓ When a thin layer of Agrotop type aggregate is spread over the crack, it can be opened for traffic immediately after application.

### Remarks

Clean tools with water while the material is still wet.  
Dry material can be cleaned using mineral turpentine.

### Safety instructions

- ✓ **Not for human consumption.**
- ✓ Do not apply when rain is expected within 48 hours from completion of application.
- ✓ Apply when the temperature is higher than 10°C and rising.
- ✓ Keep out of reach of children.
- ✓ Must be stored in a shaded and ventilated place, at a temperature higher than 10 °C.
- ✓ The material must be protected against freezing.

**For Safety detailed instructions please refer to Pazkar's safety data sheets (MSDS)**

#### Warranty

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