



## POLYTAR 61

Sealant for cracks and joints in asphalt and concrete pavements – for hot application

### Product description

POLYTAR 61 is a bituminous sealing material for joints and cracks in asphalt and SBS-reinforced concrete using hot application.

### Product Uses

Intended for sealing joints and cracks in asphalt and concrete surfaces such as roads, parking lots and airstrips.

### Packaging

Cardboard box 18 kg



## Technical Specifications

Property	Unit	ASTM D5329	Test results
Cone Permeability	mm 1/10	Max 90	Average: 70
High temperature resistance (leaks)	mm	max 3	Average: 0
Low temperature bonding/adhesion (3 tensile cycles at a temperature of 17.8°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
Resilience	%	Min 60	Average: 74.6
Asphalt Compatibility (adhesion)	Visual	There will be no adhesion failure of the sample body	There was no adhesion failure of the sample body

## Method of use

### Preparation of the joints and cracks for sealing

- ✓ The joints and cracks intended for sealing will be cleaned with abrasive blasting (sand cleaning), then with oil-free compressed air and/or a vacuum cleaner. The cleaning includes, among other things, the removal of the old sealing and filling materials, cleaning any dirt such as dust, sand, pebbles, oils, curing materials, cement water that has hardened and any other foreign material. If it is not possible to achieve the necessary cleanliness with the method described above, additional measures must be taken such as sawing, brushing, washing with a suitable detergent until all the dirt, debris, curing material and cement water are removed.
- ✓ All loose and weak parts of the asphalt / concrete must be removed and, if necessary, conical grinding must be performed on the sides.

- ✓ All cracks and crevices intended for sealing will be cleaned and processed in such a way that their width is double to equal their depth. In special cases, new side walls must be created and designed and/or a new seam backing must be installed.

### Primer

The primer is intended for seams and cracks in concrete only (not in asphalt).

- ✓ Apply 474GS primer to the edge of the joint, approximately 200 gr/m<sup>2</sup>.
- ✓ Allow 1-4 hours to dry before applying the sealing material, depending on the weather conditions.

## Method of use

### Equipment for applying the sealant

- ✓ The equipment for applying POLYTAR 61 and its heating should be portable and should include a heater with a double-walled mixer (boiler), where the space between them is filled with suitable heating oil, or a double-walled boiler with hot air between the walls.
- ✓ The equipment will include a control thermostat for continuous regulation of the temperature. The sealing of the joints will be carried out using a machine that guarantees the heating of the material as described above, maintaining a uniform temperature and flowing the material using pressure.

### Method of application

- ✓ POLYTAR 61 must be applied using the equipment mentioned above at a temperature ranging from 190°C to 200°C. Do not raise the temperature above 200°C to avoid possible damage to the properties of the sealant.
- ✓ Use an amount of material suitable for two hours of work each time. Do not allow vehicle traffic or any other traffic in areas where sealing work has been performed until the material cures.
- ✓ When applying the material is completed, it is recommended to spread a layer of coarse sand to prevent the material from sticking after its initial curing.

### Safety instructions

- ✓ **Not for human consumption.**
- ✓ When using a hot material, wear personal protective equipment (appropriate clothing, gloves, protective glasses/ face mask).
- ✓ Do not inhale the fumes, work in a well-ventilated area.
- ✓ In case of injury caused by hot bitumen, cool the place with clean water and get to the hospital
- ✓ When heating the bitumen, please act according to the instructions detailed in the work regulations - safety requirements for bituminous works.

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

#### Warranty

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