

BITEK A

One-component elastic polymer-bitumen hot-applied joint sealant

In compliance with: ASTM D 6690 Type I

FIELD OF APPLICATION

In filling of horizontal joints and cracks in concrete and asphalt parking lots, roads, airfield runways. Also used in forming expansion joints for bridges, roofs lined with concrete tiles or slabs, especially safeguarded tanks, places for pouring-off oil and oil derivatives etc.

PROPERTIES

- Black resinous compound;
- Watertight;
- Easily workable, by heating;
- For 10 mm min. joint width;
- Excellent bond to substrates of concrete, asphalt and metal;
- Stable at ordinary and saline water and other atmospheric influence;
- Resistant to weak solutions of bases and acids;
- Resistant to oil and oil derivatives;

TECHNICAL FEATURES

| PROPERTY | DECLARED VALUE |
|---|------------------------|
| Temperature of softening | 105°C to 115°C |
| Temperature of application | 195°C to 210°C |
| Stability at low temperature: (does not crack) | T = - 18°C |
| Stability at high temperature: (does not flow out) | T = + 60°C for 5 hours |
| Elongation | ≥15% |
| Penetration | 25-50/10 mm |

SUBSTRATE PREPARATION:

The substrate should be dry, clean, cleaned of grease and dust. Cleaning is best performed with compressed air.

APPLICATION:

Bitek A is prepared in an appropriate boiler or batch heater (duplicator - with double walls), for melting in oil bath. The boiler should have built-in mixer and device for controlling the temperature. The maximum allowable temperature is $T=210^{\circ}\text{C}$, while the optimum temperature of heating is $T=200^{\circ}\text{C}$. Filling of the joints is performed by pouring in one or two working procedures, depending on the joint dimensions.

It is not permitted to use a mixture that has been heated twice as well as a mixture that has been heated longer than 6 hours.

CONSUMPTION:

Bulk density is 1,2 g/cm³

CLEANING:

The tools and equipment are cleaned with Solvent P, immediately after use.

PACKAGING:

Bulk

STORAGE:

In original closed packing, at a temperature of minimum 5°C to 35°C, protected against direct exposure to sun. Shelf life 12 months.

With the addition of anti-ageing agent, the storage time can be prolonged up to 3 years.

Health hazards: It is necessary to avoid contact of the product with the skin. In accidental contact, the product should be immediately removed with cold water and medical assistance should be provided. During work with this product, it is necessary to use protective equipment (shoes, clothes, goggles and gloves). If the work is performed in closed premises, good ventilation should be provided.

Fire: Provide appropriate means for fire extinction.

Cleaning and disposal: Loose residues of Bitek A are cleaned with Solvent-P. The old and used packing should be discarded in accordance with the local relevant regulations for that kind of waste. We recommend for the way of application and necessary quantities to be adjusted to the works condition. Additional information are provided in the Safety Data Sheet of the product.