Joint Sealing Compound PU 4009 black

Technical Data		
Processing temperature	+ 10°C to + 35°C	
Mixing ratio	100 : 12	(by weight)
Processing time	app. 20 min.	(23°C)
Viskosity	app. 4200 mPa.s	reacting compound after 5 Min. at start temperature 23 °C
Final hardness after	app. 3 - 5 days	(accd. to ambient temperature)
Density	1,34 g/cm³	(20°C; reaction product)
Hardness Shore D	60 - 70	(23°C)
Resistance to temperature	-25°C to +100°C	(after hardening)

Material description

The joint compound PU 4009 black is a two-component, filled polyurethane cast resin with added bitumen. After final hardening, the compound will be elastic and is insensitive to frost and heat.

Application

For sealing of joints in roads and stores, especially for the sealing of induction loops. The compound shows good adhesion to concrete, eternit, asphalt and different synthetics. As the hardened compound will keep elastic, you can remove the compound out of the joint by using a knife or a similar sharp tool.

Processing

In order to have the best adhesion of the joint compound to the flanks, the joints which have to be sealed must be dry and free of dust and oil. The use of a primer is not necessary. The sealing of the joints may only carried out when the weather is dry. If necessary, the joints have to be covered.

The two components (resin and hardener) which are one unit, are exactly fine-tuned to each other. There is no further need to weight out the components.

Before you add the hardener, the resin should be mixed up. The hardener must be filled completely into the resin and both components must be mixed with constant stirring.

The time of mixing will be about 3 minutes. You can recognize a homogenous mixture by the uniform colour of the compound. During mixing it is important that only few air bubbles are mixed into the compound.

The processing time is related to the ambient temperature. At lower temperatures you have longer, respectively at higher temperatures shorter processing times. You can fasten or slow down the time, by storing the components in a warm (e.g. in the car) respectively cool place (e.g. in the shadow) before processing.

The reaction heat of the compound while hardening is negligible. After 1 to 2 hours you can walk on the joint. The speed of hardening depends on the ambient temperature and to the joint cross-seciton. The final hardness will be reached after 3 to 5 days.

Storage

The original closed tins have to be stored in a dry and frost-free place. Open units must be used at once.

The processing-guarantee is 12 months after production date (see labels on the containers).

Hazardous / Safety advice

Follow the advice printed on the containers and the relevant safety data sheets for resin and hardener.