

## Material description

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

## Application

For the sealing of joints (roads, warehouses and similar), especially for the sealing of induction loops. The compounds show good adhesion to concrete, asbestos cement, asphalt and different synthetics. As the hardened compound will stay elastic, you can remove the compound out of the joint using a knife or a similar sharp tool.

## Handling

In order to have the best adhesion of the joint compound to the flanks, the joints 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 be carried out when the weather is dry. If necessary, the joints have to be covered.

The two components (resin and hardener) belonging to one unit are already in the right ratio so there is no need to weigh them. Before the hardener is added, the resin should be well stirred up.

The hardener must be poured completely into the resin and both components must be mixed by constantly stirring them for about 3 minutes. A homogenous mixture shows a uniform colour without any streaks in the compound. Avoid stirring in too much air while mixing. The processing time is related to the ambient temperature: at lower temperatures you have longer processing times, respectively at higher temperatures shorter ones. In order to avoid extreme temperatures, the units should be kept warm (e.g. in the car) or cool (e.g. in the shadow) before processing.

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

## Calculating the required quantity

Weight [g] = total joint length [cm] x joint width [cm] x depth [cm] x density [g/cm<sup>3</sup>]

## Storage

The originally closed tins / bags must be stored in a dry and frost-free place. Open units must be used at once. The processing-guarantee is 12 month after production date (see sticker on the containers).

## Safety instructions

Follow the instructions of the stickers on the containers and the respective safety data sheets for resin, hardener and hardened compound.

### □ Technical Data

<b>Processing temperature</b>	+10°C to +35°C
<b>Mixing ratio</b>	grey: 100:9/ black: 100:12 (by weight)
<b>Processing time</b>	15 min. to 20 min. at +20°C to +25°C
<b>Final hardness</b>	after 3 to 5 days (depending on ambient temperature)
<b>Density</b>	grey: 1,35 g/cm <sup>3</sup> / black: 1,34 g/cm <sup>3</sup> (+20°C; reaction product)
<b>Hardness Shore D</b>	60 to 70 (+20°C)
<b>Resistance to temperature</b>	-25°C to +100°C (after hardening)