

BIGUMA[®] -N 10 grey



Synthetic resin bonded, thermoplastic paving joint sealant

Application

The joint sealant is suitable for filling joints on surfaces with paving stones and slabs.

Properties

BIGUMA[®]-N 10 grey has been tested in accordance with the 'Technical Terms of Supply for Joint Fillers in Traffic Areas' (TL Fug-StB) for 'Paving Joint Sealants' and fulfils the requirements.

BIGUMA[®]-N 10 grey or the joints established with joint sealant are distinguished by the following characteristics:

- Colour: medium grey
- high degree of stability
- good usage properties in heat and cold
- good adhesion to mineral substrates

Processing information

a) Melting the joint sealant

Before processing the joint sealant, the agitator pot plus all components and tools coming into contact with the sealant must be cleaned thoroughly. To avoid colour differences in the joint sealant, sufficient time for homogenisation of the sealant in the stove must be factored into the planning and the required amount of sealant melted in one batch. BIGUMA[®]-N 10 grey is to be melted with a mechanical agitator, indirect heating and melting pot equipped with thermostat gently to a processing temperature from 160 to 190 °C. The temperature of the joint sealant must be regulated thermostatically; it should always be controllable. A thermal overload of the joint sealant must be strictly avoided, as this will result in direct damage to the polymers added for tempering and consequently a loss of the assured properties.

b) Requirements for the substrate

If required, the paving joints must be blown out clean with compressed air or cleaned with a brushing machine, whereby a spatial division between cleaning and pouring work is to be observed. Hot-air devices working with pressure are to be used for artificial drying or preheating of the filling space, if necessary. In general, there is no need to treat the joints with primer.

c) Filling the joints

The sealing of paving joints may only be conducted on a new paving if it is ensured that the settling process of the paving stones under traffic loads is finished. The joint sealant can be applied with pots or mechanically using a pouring lance. The joint sealants must exhibit the sealing temperature indicated during processing. If the pouring temperature is exceeded too greatly, the fluidity will deteriorate. This may result in the joint sealants no longer completely filling out the joints to be sealed. There is a risk of cavity formation, which can later result in a sagging of the joint filling when subject to traffic loads. Cooling of the joint sealant after pouring can entail a considerable volume reduction of the joint sealant, depending on the dimensions of the joint filling space. A second work step may be necessary as a result. We recommend joining the following layer immediately after the first pouring. The sealant is to be poured flush underneath.

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Producer

Plant TEWE Bauchemie

Weathering

The treated joints may only be poured during dry weather and at a surface temperature of the component above 5°C.

Material consumption

BIGUMA®-N 10 grau Joint length (m) x joint width (mm) x joint depth (mm) x density of joint sealant (g/cm³) = consumption in grams.

Storage

The product has a useful life of at least 24 months when stored in a cool and dry place.

Supply form

In blocks in approx. 20-kg flat carton, on disposable pallets each 40 items

Cleaning agents

Equipment: Benzines or common solvents

In case of skin contact: Hand cleansing paste

Jointly applicable regulations

When creating or filling paving joints, the following regulations and information sheets must be observed:

- ZTV Fug-StB
- Information Sheet For Surfacing with Paving Stones and Slabs in Unbound Version as well as Edging (M FP)

Technical data

Processing temperature: approx. 160 - 190 °C

Density: approx. 1.75 g/cm³

Important note:

The safety data sheet must be strictly observed. It contains safety-relevant information, in particular concerning the storage, transport and handling of BIGUMA®-N 10 grey.

This product information corresponds to our latest available information. The processor is obliged to test the suitability and application options for the intended purpose. We shall be pleased to advise if you have any questions about our product. Our Terms and Conditions of Business apply, which can be found at www.dga.de.

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