



Bituminous sett paving joint sealant in accordance with TL Fug-StB

Application

The joint sealant is suitable for the filling of joints in all types of paved surfaces with sett and slab pavings.

Properties

BIGUMA[®] -N 10 fulfils the requirements of "the Technical Delivery Conditions for bituminous joint sealants" (TL Fug-StB) for „sett paving joint sealants" and the requirements of the TL bitFug 82 to sett paving joint sealants.

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

- high stability
- very good application characteristics at heat and at cold
- good bonding at mineral subsoil
- high ageing resistance of the joint
- resistant against aqueous solutions, salts and thinned acids, or similar
- bituminous building material and therefore problem-free recyclable

Processing information

a) Melting the joint sealant

BIGUMA[®] -N 10 has to be heated carefully to the application temperature of 150 - 180 °C in a boiler equipped with mechanical agitation, indirect heating and thermometer. The temperature of the sealant must be thermostatically regulated; it must be controllable at all times. Overheating of the sealant should necessarily be avoided, as this will damage the polymers, which were added for the improvement of the product, and consequently it will lead to a loss of the guaranteed properties.

b) Requirements to the subsoil

The concrete and asphalt joints to be sealed should be thoroughly blown with high-pressure-air or cleaned with a brushing machine if necessary, whereas you have to pay attention to special separation of cleaning and application works. For artificial dry-out or pre-heating of the joints, hot compressed air lances can be used. The treatment of the joints with primer can generally be omitted. Concerning natural stones with a very dense surface it can be necessary to apply a primer in order to improve the bonding quality. In such cases the primer COLZUMIX[®]- Haftgrund or COLZUMIX[®]- IVS can be applied. The primer must cover the joint flanks completely by forming a film. Before filling the joints the applied primer must have dried, i. e. the surface must be touch-dry.

c) Filling of the joint

The sealing of sealing sett paving joints in case of a new paving is only allowed to take place if it is guaranteed that the setting process under traffic load has been finished. The joint sealant can be applied by can or mechanical by the help of an application lance. The joint sealant must have reached the indicated application temperature during pouring work. If the pouring temperature is clearly below the stated temperature, the flow ability of the sealant suffers. The joint sealants may possibly not fill the to be poured joints completely. There is the danger that voids may occur which later can result in sinking of the sealant under rolling traffic. The cooling of the sealant may cause shrinkage dependent on the joint dimensions; a second pouring can be necessary. This second pouring should be made immediately after the first one. The material has to be poured under flushing.

Central Sales

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Producer

Dortmunder Gußasphalt GmbH & Co. KG
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Weathering

The prepared joints are only allowed to be sealed at dry weather conditions and at a surface temperature of the building part of 0°C.

Material consumption

BIGUMA®-N 10: joint length (cm) x joint width (cm) x joint depth (cm) x specific gravity of the sealant (g/cm³) = consumption (g).

Primer: The consumption of the primer (COLZUMIX®- Haftgrund) is approx. 3 % of the sealant amount needed.

Storage

The product has to be stored cold and dry and is storable for at least 24 months.

Supply form

The joint sealant will be filled into thin metal tins (hobbocks) and transported on non returnable pallets. A separation agent coating and the welted type of the hobbocks guarantee a fast, problem-free and safe removal of the mass out of the tin. The removed blocks can be filled into the heater together with the probably still adherent separation agent coating. Alternatively the sealant is available in silicone coated cartons.

Thin metal tins 14 kg, 40 kg

Cartons 15 kg, 30 kg

Cleaning agents

Equipment: Benzines or common solvents

In case of skin contact: Hand cleansing paste

Jointly applicable regulations

At the production or the filling of sett paving joints you have to follow among others the following regulations and technical data sheets:

- ZTV Fug-StB
- ZTV P-StB 2000
- Technical data sheet for area anchorings with sett and slab pavings

Technical data

Application temperature: approx. 150 - 180 °C

Density: approx. 1,5 g/cm³

Primer: if necessary COLZUMIX®- Haftgrund or COLZUMIX®- IVS

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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