GusjoinT®
Sealing that lasts

GusjoinT®-
Joint Sealant N2

Polymer modified, bituminous joint sealant in accordance with TL Fug-StB 25 and DIN EN 14188-1, Typ N2

Use

GusjoinT® - N2 is suitable for the sealing of joints in all concrete and asphalt pavements.

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Properties

GusjoinT® - N2 fulfils the requirements of “the Technical Delivery Conditions for bituminous joint sealants in traffic areas” (TL Fug-StB) and DIN EN 14188-1, Typ N2.

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distinguishes itself by the following characteristics:

- plastic elastic set, therefore optimum balance between high movement accommodation and stress relief within the joint
- designed for a possibly change in the joint width of up to 25%
- good application characteristics at heat and at cold temperatures
- good bonding at bituminous and 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

Application instructions

a) Melting

GusjoinT®-N2 has to be heated carefully to the application temperature of 160-180 ° 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 sealing 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) Requirement to the subsoil

The concrete and asphalt joints to be sealed should be thoroughly blown high-pressure-air or cleaned with a brushing machine if necessary, whereas you have to pay attention to special separation of cleaning and application work. For artificial dry-out or pre-heating of the joints, hot compressed air lances can be used.

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For GusjoinT®- N2 the primer GusjoinT®-Primer has to be used, which is adapted to this material. The function of the primer is to bind the dust bonding at the concrete or asphalt and to form an adhesive layer, which will fuse with the sealant being filled into the joints. The primer must cover the joint flanks completely by forming a film. It's recommendable to prime at both sides a strip of approx. 1 cm width of the pavement. Before filling the joints the applied primer must have dried, i.e. the surface must be touch-dry. The primed joint has to dry and be free from dust to guarantee an intensive bond to the concrete or the asphalt.

c) Filling of the joints

GusjoinT®-N2 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 sealant may possibly not fill the joints to be poured completely. There is the danger that voids may occur which later can result in sinking of the sealant under rolling traffic. Before the application of GusjoinT®-N2 a bedding material is possibly to apply. Through the bedding material the height of the joint sealant in the joint will be modulated.

At the same time a leaking of the compound into possibly existing voids and the three-flank-bonding will be prevented. A three-flank-bonding may lead to a failure of the joint sealant caused by the tension. 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.

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Weather conditions

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

Material consumption

GusjoinT®-N2:

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 (GusjoinT®-Primer) is approx. 3% of the sealant amount needed.

Storage

The product has to be stored cold and dry and is storable for at least 12 month.

Form of supply

Silicone coated cartons: **25 kg; 12 kg**

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Cleaning agent

Equipment	Petrol and commercial solvent
At skin contact	hand washing paste

Authoritative regulations

At the production or the filling of the joints you have to follow among others the following regulations:

DIN EN 14188-1, Typ N2, ZTV Fug-StB, ZTV Beton StB, ZTV BEA-StB

Technical data

Application temperature:	ca. 170 - 185 °C
Density:	ca. 1,10 g/cm³
Primer:	GusjoinT®-Primer

Safety informations

Please observe the safety data sheet, this contains important information on the handling, transport and storage of GusjoinT®-N2.

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