

BIGUMA[®]-DS 01



Bituminous repair compound for build-in thicknesses from 2 - 5 mm

Application

BIGUMA[®]- DS 01 is a bituminous repair compound for filling milled hollows, transitions, shoulders or baggings in the road sector. BIGUMA[®]- DS 01 is also suitable for the rehabilitation of road surfaces after demarking works. Furthermore the sealant can be used for repairing rough, coming off bituminous surfaces and for patching of mechanical damages or small failures in the surface course.

Properties

BIGUMA[®]- DS 01 consists of modified bitumen, chosen mineral fillers as well as plasticizing elastomers. BIGUMA[®]- DS 01 is suitable for a layer thickness from 2 to 5 mm.

BIGUMA[®]- DS 01 or the repair produced with this material distinguishes itself by the following characteristics:

- easy to pour and/or to spread
- almost smooth to spread
- good bonding properties at mineral and bituminous materials
- stable enough for a layer thickness of up to 5 mm
- compatible with usual bituminous building materials

Processing information

a) Melting of the repair compound

For the preparation of BIGUMA[®]- DS 01 it is recommendable to use a boiler equipped with mechanical agitation, indirect heating and thermometer. The material has to be heated carefully to the application temperature of 180 - 220 °C to avoid an overheating of the sealant, which could damage the material. The temperature of the sealant must be thermostatically regulated; it must be controllable at all times.

b) Requirements to the substrate

The substrate has to be dry and free from dust. A pre-treatment of the areas to be repaired with the help of a high-pressure-air lance is recommendable. At mineral substrate like i.e. concrete the primer COLZUMIX[®]- DS has to be used.

c) Pouring of the compound

BIGUMA[®]- DS 01 is not pumpable. The repair compound can directly be applied out of the heater by pouring or with the help of buckets or similar bins. The following application can take place by hand or with the help of a spatula or with corresponding build-in equipment such as screed box or pulling boxes. To achieve a sufficient surface roughness of the applied repair sealant the material has to be covered with high quality chippings while it is still hot. It is recommendable to use therefore pre-bituminised high quality chippings 1/3 mm or 2/5 mm, which are adjusted to the colour of the upper layer. The chippings have to be pressed on with a light hand roller. Should the repaired area following be covered with other materials, such as road marking materials, use and the kind of surface treatment has to be checked in every single case.

Weather conditions

The prepared damaged areas are only allowed to be sealed at dry weather conditions and at a surface temperature of the building part above +5°C.

Central Sales

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Producer

Plant Dortmund

Material consumption

BIGUMA®- DS 01:	joint length (cm) x joint width (cm) x joint depth (cm) x specific gravity of the sealant (g/cm ³) = consumption (g)
Primer:	If the use of primer (COLZUMIX®- DS) is necessary, the consumption is approx. 0.3 l/m ²

Storage

In original tins for at least 24 months storable.

Form of supply

BIGUMA®- DS 01 is filled into thin metal tins (so called 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.

Thin metal tins: 20 kg

Cleaning agents

Equipment:	BIGUMA®- SWS, petrol or commercial solvents
In case of skin contact:	Hand cleansing paste

Authoritative regulations

At application of repair sealants you have to observe among others the "the hints for the repair of cracks as well as of damaged seams and connections in asphalt pavements (HSR)".

Technical data

Processing temperature:	180 °C - 220 °C
Density:	approx. 2.2 g/cm ³

This product information corresponds to our latest available information. The indicated values are average values under normal conditions. 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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