

BIGUMA[®]-DS 10



Bituminous repair sealant for a layer thickness of 5 to 15 mm

Use

BIGUMA[®]- DS 10 is a bituminous repair sealant for filling milled hollows, transitions, shoulders or baggings in the road sector. BIGUMA[®]- DS 10 is also suitable for the rehabilitation of road surfaces after demarking works. Furthermore the sealant can be used for repairing rough, coming off and bituminous surfaces and for patching of mechanical damages or small failures in the surface course.

Properties

BIGUMA[®]- DS 10 consists of modified bitumen, chosen mineral fillers as well as plasticizing elastomers. BIGUMA[®]- DS 10 is suitable for a layer thickness of 5 to 15 mm.

BIGUMA[®]- DS 10 or the produced joints distinguish itself by the following characteristics:

- easy to pour and/or to elapse
- good bonding at mineral and bituminous materials
- stable enough for a layer thickness up to 15 mm
- compatible with usual bituminous building materials

Processing information

a) Melting

For the preparation of BIGUMA[®]- DS 10 it is recommendable to use a boiler equipped with mechanical agitation. The material has to be heated to the application temperature of 190 - 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 subsoil

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

c) Application

BIGUMA[®]- DS 10 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 slider 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 material, such as road marking materials, the usage of 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 of + 5 °C.

Central Sales

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Producer

Plant Dortmund

Material consumption

The consumption of the sealant for filling milled surfaces within the bounds of demarking works is calculated in accordance with the following formula:

BIGUMA®- DS 10: $\text{joint length (cm)} \times \text{joint width (cm)} \times \text{joint depth (cm)} \times \text{specific gravity of the sealant (g/cm}^3\text{)} = \text{consumption (g)}$

Primer: If the use of primer (COLZUMIX®- DS) is necessary, the consumption is approx. 0.3 l/m²

Storage

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

Supply form

Thin metal containers: 20 kg
Carton: 23 kg
Sack: 25 kg

Cleaning agents

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

Technical data

Processing temperature: 190 °C - 220 °C
Density: approx. 2.2 g/cm³

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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