

BIGUMA®-LOCK



Bituminous, hot-applied joint sealant for clutches of steel sheet piles

Use

Hot applied joint sealant for sealing the interlocks of steel sheet piles before ramming or inserting the sheet steel piles, especially in sandy substrate.

Properties

BIGUMA®- LOCK is a bituminous, hot-applied joint sealant with a plastic and low elastic component. BIGUMA®- LOCK has a high adhesive strength and is easy to apply. Work on the steel sheet piles can be continued immediately after the casting compound has cooled (approx. 1 hour).

Application instructions

a) Fusion of the joint sealant

The fusion must be done in such way that the casting compound is never heated above the permissible temperature limit of 190°C. A melting pot with agitator, thermostat and indirect thermal oil heating should be used for this. If using a roofing boiler, it must be ensured that the casting compound is stirred regularly and the temperature monitored. Overheating of the casting compound will inevitably lead to impaired quality.

b) Requirements to the subsoil

The sheet pile interlock must be dry, clean and free of dust. Mill skin, scale and rust must be removed by sand blasting.

c) Casting the sheet pile interlocks

After fusion, the casting compound is poured into the interlocks using a pouring lance or by hand with a suitable vessel. When doing so, the sheet piles must be aligned horizontally if possible and the two-sided ends of the sheet pile interlock secured to prevent the casting compound from running out. The casting compound must be allowed to cool down after casting. Work can then be continued on the sheet piles.

Weather conditions

The interlocks of the sheet piles should only be cast at a surface temperature on the component of more than 0°C.

Material consumption

BIGUMA®- LOCK: $\text{Sheet pile length (cm) x interlock width (cm) x interlock depth (cm) x thickness of the casting compound (g/cm}^3\text{)}$
= consumption in grams

Storage

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

Central Sales

Dortmunder Gußasphalt GmbH & Co. KG

✉ Am Hafenbahnhof 10 ■ 44147 Dortmund ■ Germany

☎ +49 231 395797 - 37 @ info@dga.de

Producer

Plant Dortmund

Form of supply

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 joint sealant is available in silicone coated cartons.

Carton: 10 kg

Metal tins: 10 kg

Cleaning agent

Equipment: Petrol and commercial solvents

At skin contact: hand washing paste

Technical data

Application temperature: approx. 160 - 180 °C

Density: approx. 1,0 g/cm³

Primer: not necessary

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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