



Granulated mastic asphalt in accordance with TL Asphalt-StB and DIN EN 13108-6

Use

BIGUMA®- GRANO MA is a mastic asphalt that has been gently granulated immediately after production. It is used for repairing road damage such as cracks, potholes, depressions, etc.

BIGUMA®- GRANO MA is transported as bulk material at ambient temperature without a special mastic asphalt boiler and only reheated on the construction site for processing.

Properties

BIGUMA®- GRANO MA fulfils the requirements of the "Technical Terms of Delivery for Asphalt Mixes for the Construction of Traffic Surface Pavements" (TL Asphalt-StB) and the requirements of DIN EN 13108-6.

BIGUMA®- GRANO MA is distinguished by the following characteristics:

- Granulate is easy to dose for the intended use
- Easy melting behaviour of the granulate
- Very good workability
- Free of voids and does not require compaction with a roller/ vibrating plate
- Watertight when applied and resistant to de-icing salt solutions
- Good adhesive capacity on mineral and bituminous materials
- Suitable for reuse as reclaimed asphalt
- Sufficient stability for paving thicknesses up to 40 mm
- Resistant to aqueous solutions, salts, diluted acids, etc.
- Bituminous building material, therefore easy to recycle
- Reduction in processing temperature by over 30 °C in conjunction with our additive Colzuphalt®

Application instructions

a) Melting the mastic asphalt

BIGUMA®- GRANO MA must be gently melted to a processing temperature of 180 °C to 230 °C in a melting pot equipped with a mechanical agitator, indirect heating and thermostat. The temperature of the mastic asphalt must be regulated thermostatically; it should always be controllable. Thermal overloading of the mastic asphalt should be avoided, as this will directly damage the additives used for tempering, thus resulting in a loss of the guaranteed properties. The maximum dwell time in the agitator pot is 7 hours. To reduce the application temperature by up to 30 °C, approx. 0.2 % Colzuphalt® can be added to BIGUMA®- GRANO MA during the melting process in the boiler.

b) Direct application in the area to be repaired

Heating using a replaster/burner is also possible. In the latter case, application must be done in layers. However, this process should be gentle. Burning of the binder must be avoided. Levelling is carried out using standard tools, such as asphalt filler, grating board, etc. Before the surface cools down, it must be scattered, e.g. with a dust-free, possibly binder-coated chippings.

Central Sales

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c) Requirements to the substrate

The substrate must be thoroughly cleaned and loose soil or grit removed. Pre-heating of the substrate is recommended. The use of DOBAU®- Bitumengrundierung is also recommended for problematic substrates to ensure a better bond between layers and to bind dust. When applying below the temperature recommendations of ZTV Asphalt-StB, measures such as drying or heating are required and must be determined on a case-by-case basis.

Storage

BIGUMA®- GRANO MA should not be exposed to direct sunlight.
The product can be stored for at least 12 months if stored in a cool and dry place.

Form of supply

Plastic containers:	20 kg,	EURO pallet 480 kg
Big-Bags:	300 kg,	2 big bags per EURO pallet 600 kg

Cleaning agent

Equipment:	BIGUMA®- SWS
In case of skin contact:	Hand cleansing paste

Authoritative regulations

- TL Asphalt-StB
- ZTV Asphalt-StB
- TP Asphalt-StB
- DIN EN 13108-6

Technical data

Processing temperature:	approx. 180 - 230 °C
Density:	approx. 2.5 g/cm ³
Additive for temperature reduction:	If required Colzuphalt®
Primer:	If required DOBAU®- Bitumengrundierung

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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