



Mastic asphalt repair compounds

Mastic/poured asphalt according to DIN EN 13108-6 and TL Asphalt-StB

Use

BIGUMA®- Gussasphalt Reparaturmassen are suitable for numerous applications in road construction and civil engineering. Thanks to their low cavity design, BIGUMA®- Gussasphalt Reparaturmassen are suitable for surface layers in road construction as well as for protective and surface layers on engineering structures. BIGUMA®- Gussasphalt Reparaturmassen do not need to be compacted and are therefore ideal for patching mechanical damage or small surface layer breakouts.

Properties

BIGUMA®- Gussasphalt Reparaturmassen consist of a mixture of bitumen and selected mineral fillers. BIGUMA®- Gussasphalt Reparaturmassen are available in different grain sizes (MA 5, MA 8, MA 2) and are suitable for installation thicknesses from 0.5 to 40 mm.

BIGUMA®- Gussasphalt Reparaturmassen are characterised by the following features:

- easy to pour and/or spread
- good adhesive capacity on mineral and bituminous materials
- sufficient stability for paving thicknesses up to 40 mm
- compatible with conventional bituminous building materials
- low in cavities and water impermeable
- high resistance to aging

Application instructions

a) Melting the repair compounds

We recommend the use of a heated agitation boiler to prepare BIGUMA®- Gussasphalt Reparaturmassen. The compounds should be melted gently to a processing temperature of 200 - 230 °C, so as to avoid thermal strain which could damage the material. The temperature of the repair compounds must be regulated thermostatically; it should always be controllable. The maximum dwell time in the agitator pot is 12 hours.

b) Requirements to the substrate

The substrate must be dry and free of dust.

c) Pouring the compounds

BIGUMA®- Gussasphalt Reparaturmassen cannot be pumped. The mastic asphalt can be poured directly from the agitation boiler via chutes, buckets or similar containers. The subsequent application is done by hand using trowels or corresponding application equipment, such as drawing shoes or drag boxes. In order to achieve sufficient surface roughness, the surface of the mastic asphalt should be scattered with high-grade chippings when hot. We recommend using pre-bituminised double-crushed chips 1/3 mm or 2/5 mm adapted in colour to the top layer here. The double-crushed chips must be pressed on with a light hand roller.

Central Sales

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BIGUMA®-Gussasphalt Reparaturmassen

Weather conditions

BIGUMA®- Gussasphalt Reparaturmassen may only be applied in dry weather and if the component has a surface temperature above +5 °C.

Material consumption

	BIGUMA®- Gussasphalt MA 5	BIGUMA®- Gussasphalt MA 8	BIGUMA®- Gussasphalt MA 2
Installation strength [cm]	2.0 - 3.0	2.5 - 3.5	0.5 - 1.5
Consumption [kg/m²]	50 - 75	65 - 85	11 - 33

Storage

The packed pallet is enclosed in a shrink hood. The mastic asphalt slabs should be stored in a shady place outside or in a hall.



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BIGUMA®-Gussasphalt Reparaturmassen

Form of supply

Sheet products 28 cm x 37 cm x 3.5 cm
approx. 1,200 kg/ disposable pallet

Cleaning agent

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

Authoritative regulations

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

Technical data

Processing temperature: 200 - 230 °C
Density: approx. 2.2 - 2.5 g/cm³

	BIGUMA®- Gussasphalt MA 5	BIGUMA®- Gussasphalt MA 8	BIGUMA®- Gussasphalt MA 2	Regulation
Binder	30/45	30/45	30/45	-
Bitumen content [M. %]	8.1	7.7	14	-
Ring and ball softening point [°C]	60	60	60	DIN EN 1427
Penetration depth: 40 °C, 5 cm³, 0.5 h	2.2	2.5	-	TP A 20
Penetration depth: 40 °C, 5 cm³, 1.0 h	2.4	2.7	-	TP A 20

Technical Data Sheet page 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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