



Bituminous compound within the 3 M Stamark™ Bitumen Plus Programme

Application

BIGUMA[®]- DS 01 E is a polymer modified and with special bonding agents provided levelling compound for laying foil within the scope of the 3 M Stamark™ Bitumen Plus Programme.

Properties

BIGUMA[®]- DS 01 E consists of modified bitumen, chosen mineral fillers as well as elasticising elastomers. BIGUMA[®]- DS 01 E is suitable for a layer thickness from 1 to 5 mm.

BIGUMA[®]- DS 01 E or the work carried out with this material distinguishes itself by the following characteristics:

- using elastomer, therefore good usage properties at heat and cold
- 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
- good bonding to the later applied permanent marking foil through bonding agent

Processing information

a) Melting of the levelling compound

For the preparation of BIGUMA[®]- DS 01 E it is recommendable to use a boiler equipped with mechanical vertical (upright) 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. It is not recommended to melt the material repeatedly.

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 E is not pumpable. The levelling compound can be poured directly out of the boiler equipped with agitation by pouring or with the help of buckets or similar. The following application takes place with the help of build-in equipment such a screed box or pulling boxes, which guarantee a dimensionally stable application of the levelling compound. The compound will be applied in the corresponding marking width with the help of the slider, preferably mechanically. The applied layer thickness depends on the surface roughness of the subsoil. Through the sharp edges of the marking foil, which has to be applied afterwards, BIGUMA[®]- DS 01 E can be applied with a small overlap in the width (1 - 2 cm). The application of the STAMARK™ durable marking foil shall take place immediately after the application to the still warm compound. The surface temperature should be between 40 °C and 60 °C.

Please observe the application instructions of 3M Deutschland GmbH for the Bitumen Plus Procedure.

Central Sales

Dortmunder Gußasphalt GmbH & Co. KG

✉ Am Hafenbahnhof 10 ■ 44147 Dortmund ■ Germany

☎ +49 231 395797 - 37 @ info@dga.de

Producer

Plant Dortmund

Weather conditions

The application of BIGUMA®- DS 01 E is only allowed to take place at dry weather conditions and at a surface temperature of the building part of above + 5 °C.

Material consumption

Width of foil	Width of bonding	Total layer thickness	Consumption per running m
12 cm	13/14 cm	2 mm 3 mm	546 g /588 g 819 g /882 g
15 cm	16/17 cm	2 mm 3 mm	672 g /723 g 1008 g /1085 g
25 cm	27 cm	2 mm 3 mm	1134 g 1701 g
30 cm	32 cm	2 mm 3 mm	1344 g 2016 g

The indicated values are the calculated ones for the theoretical layer thickness. The exact consumption depends on the layer roughness and can differ from the calculative value.

Storage

Storable for at least 12 months in original unopened tins.

Form of supply

BIGUMA®- DS 01 E will be filled into thin metal tins (so called hobbocks) of 20 kg 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 repair compound can be supplied in silicone coated cartons.

Thin metal tin: 20 kg
Carton: 22 kg

Cleaning agents

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

Authoritative regulations

At the application of BIGUMA®- DS 01 E the application regulations of 3M Deutschland GmbH are valid for the bitumen plus procedure.

Central Sales

Dortmunder Gußasphalt GmbH & Co. KG

✉ Am Hafenbahnhof 10 ■ 44147 Dortmund ■ Germany

☎ +49 231 395797 - 37 @ info@dga.de

Producer

Plant Dortmund

Technical data



Processing temperature:	180 °C - 220 °C
Density:	approx. 2.1 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.

Rev.: 02/19

Central Sales

Dortmunder Gußasphalt GmbH & Co. KG

 Am Hafenbahnhof 10 ■ 44147 Dortmund ■ Germany +49 231 395797 - 37  info@dga.de**Producer**

Plant Dortmund