

BIGUMA® -SAMI Band



A polymer-modified self-adhesive bitumen tape for the decoupling of asphalt layers where cracks or seams exist

Uses

Buffer layers referred to as SAMI layers are inserted so as to ensure that the cracks are unable to penetrate the new asphalt surface. SAMI is an abbreviation for "Stress Absorbing Membrane Interlayer". This is a tension-reducing layer in the form of an interlayer. It comprises a high polymer-modified bitumen compound. An additional positive property of the SAMI layers is the sealing effect and therefore the protection of the layers against water penetration.

The BIGUMA®- SAMI Band provides for a simple application of the SAMI principle for local applications on asphalt surfaces.

Properties

The high polymer-modified bitumen matrix of the BIGUMA®- SAMI Band is self-adhesive so that it can be easily applied. The special composition of the BIGUMA®- SAMI Band enables a penetration of cracks to be prevented or delayed. The effect of the BIGUMA®- SAMI Band substantially depends on the properties of the existing asphalt base and the superstructure later. A two-layer superstructure is basically recommended. The sealing property of the tape prevents a penetration of water and foreign matter in the crack so that the deeper layers are protected.

The BIGUMA®- SAMI Band is also suitable for the electrical insulation of members in roadways (e.g. track rods of tram tracks). It has been proven that this prevents the transmission of leakage currents.

Application instructions

Preparation

The base is cleaned and the BIGUMA®- SAMI Band is adhered over the crack. The surface of the area that is to be adhered to is to be free from dust. Approx. 200-300 ml/m² COLZUMIX® adhesive primer is applied.

Application

The protective foil is removed from the BIGUMA®- SAMI Band and the BIGUMA®- SAMI Band is adhered over the crack. The BIGUMA®- SAMI Band can also be pressed on using a hand roller (10-15 kg) in order to support the adhesive effect. The tape adheres permanently due to its special polymer bitumen combination of effects. As an option, the wafer-thin protective foil at the top can be melted slightly using a gas bottle after the BIGUMA®- SAMI Band has been applied. The foil melts very easily. The surface is then lightly scattered with gravel with a gravel grainage of 2-5 mm. The material should then be slightly levelled out using a hand roller (10-15 kg). The BIGUMA®- SAMI Band is now taped over the asphalt with the appropriate thickness. The work can also be interrupted between the filling of the crack and the adhering of the BIGUMA®- SAMI Band. In this case, the surface is to be cleaned before the tape is applied. A technical interruption is also possible between the laying of the tape and the applying of the top layer of asphalt. It is recommended however that no traffic release be given for the construction site section before the asphalt has been applied.

Central Sales

Dortmunder Gußasphalt GmbH & Co. KG

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44147 Dortmund @ info@dga.de

Germany

Producer

Plant Isoliererzeugnisse Großröhrsdorf

Delivery form

Rolls of 0.33 m x 10 m each

Rolls of 0.50 m x 10 m each

Rolls of 1.00 m x 10 m each

Additional lengths and widths are available on request.

Storage

The rolls are to be stored protected from frost.

Avoid direct sunlight.

Cleaning agents

Devices:

BIGUMA®- SWS, petrol or standard solvents

In case of skin contact:

Hand wash paste

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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