



Cold-workable polymer-modified crack filler containing bitumen

Use

BIGUMA[®]- C-CS is a cold-workable, highly flexible plastic-modified repair filler for the renovation of cracks and joints in asphalt roads and road surfaces. BIGUMA[®]- C-CS penetrates well into cracks of over 2 mm width and forms an elastic filler mass for longitudinal and transverse cracks in trafficked surfaces after drying. BIGUMA[®]- C-CS is a specially modified asphalt emulsion and forms a stretchable, elastic crack closure against penetrating surface water after thorough drying. The product shows excellent bonding properties with almost all substrates containing bitumen and mineral substrates. The renovated surfaces and cracks are provided with a non-slip surface in combination with scattered chippings once the repair filler has dried. The material is applied manually (using a hand applicator) or by machine.

Properties

BIGUMA[®]- C-CS stands out due to the following properties:

- highly-elastic and crack-bridging
- can be cold-worked and is ready for use
- non-slip surface in combination with scattered chippings after drying
- weather and UV-resistant in bonded condition
- good bonding with substrate
- solvent-free, therefore environmentally friendly

Processing information

BIGUMA[®]- C-CS is worked cold and is used for ongoing maintenance of trafficked surfaces in order to extend their service life with low personnel and cost expenditure. Finer cracks are filled with the paste material flexibly and therefore bridged. The material is applied manually (using a hand applicator) or by machine.

Requirements to the subsoil

The substrate must be solid, clean and free of oil, grease, dust etc. The substrate must be cleaned thoroughly and, if required, the cracks should be blown out clean with compressed air or cleaned using a brushing machine. Larger damaged areas should be prepared in advance using BIGUMA[®]- Rep or BIGUMA[®]- AquaBit.

Renovation of cracks

BIGUMA[®]- C-CS must be stirred before application. A slowly-rotating stirring device is suitable, for example. After this the filler is applied evenly to the crack using the hand applicator. Depending on the depth and condition of the crack it may be necessary to apply the filler several times to close the crack off thoroughly. Immediately after application the treated area should have dry double-crushed chippings of grain size 1/3 or 2/4, 2/5 mm scattered thoroughly over it. The area can be released for traffic after between 30 and 45 minutes depending on the weather. Further drying and post-compression takes place under road traffic. Dry weather must continue for at least 12 hours.

BIGUMA[®]- C-CS is an environmentally-friendly water-based product. Complete drying is influenced by a range of factors such as crack width and depth in addition to the weather. This means that complete drying can take longer than one day. During this time, moist material can be partially rubbed onto the surface by the traffic. The final properties are not influenced by this.

Central Sales

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Producer

Plant Dortmund

It goes without saying that the treated area should be subject to reduced speed limits and provided with warning signs as with all renovation work using scattered chippings. Please comply with the relevant regulations. Longer cracks or larger areas can be treated very quickly and effectively using appropriate application devices. A uniform and optically clean surface structure of the renovated area is achieved by the use of a mechanical chipping spreader, which means that the 1/3 double-crushed chippings are spread optimally at the correct quantity.

The material is not suitable for the renovation of large areas.

Weathering

Work should only be carried out during dry weather, the substrate may be moist but not wet. During application of BIGUMA®- C-CS the structural surface temperature and the surrounding temperature must both be greater than 10 °C. Water, rain and frost effects should be prevented during the application and drying phases.

Material consumption

Approx. 0.2 kg/lin.m, depending on crack size, volume and application method.

Storage

BIGUMA®- C-CS can be stored for at least nine months in unopened original containers. Opened containers can be stored by covering the residual quantity with the plastic film and closing the container tightly. The containers must be stored free of frost. Direct sunlight or high-level heat effects should be avoided.

Supply form

30 kg-container

Cleaning agents

In fresh condition:	water
In bonded condition:	BIGUMA®- SWS
In case of skin contact:	Hand cleansing 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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