

BIGUMA®

-Emulsion BE60



formerly: Biguma®- U60K)

Type: C60B4-S

Use

BIGUMA®- Emulsion BE60 is a bituminous emulsion used to create bonds between layers in accordance with TL BE-StB. BIGUMA®- Emulsion BE60 is also suitable for spraying onto underlayers in special constructions to create a frictional bond between asphalt layers.

Conformity

BIGUMA®- Emulsion BE60 is certified as a C60B4-S cationic bituminous emulsion according to the national framework TL BE-StB and the harmonised European standard DIN EN 13808.

The high quality requirements are ensured by our continuous quality assurance.

Properties

BIGUMA®- Emulsion BE60 is an easy-to-spray bituminous emulsion. The combination of very good wetting and binding properties allows BIGUMA®- Emulsion BE60 to create an optimal frictional bond between asphalt layers when applied properly.

BIGUMA®- Emulsion BE60 is especially easy to process as a product and is distinguished by the following characteristics:

- low consumption
- good adhesive properties
- strong layer bonding
- easy to use and provides an even spray
- high storage stability
- corresponds to national regulations
- corresponds to European regulations
- environmentally friendly

Application instructions

BIGUMA®- Emulsion BE60 is supplied ready for processing. For homogenisation, drums must be rolled and containers or canisters stirred before processing. The spraying work can be carried out over large areas using ramp sprayers, but also over small areas using hand sprayers. The work must be coordinated so that BIGUMA®- Emulsion BE60 can dry but does not remain open for an unnecessarily long period. Note here that the drying time depends on the weather. Spraying must be stopped in damp weather and at substrate temperatures below 3 °C. Avoid driving over the sprayed areas and do not expose them to the effects of the weather just after spraying, as the surface can be contaminated with dirt and thereby lose its adhesive force.

The BIGUMA®- Emulsion BE60 should be sprayed as thinly and fully as possible, as only then can the cohesive properties take effect.

Spraying too thickly has the effect that the binder acts as a sliding layer, which means it can weaken the layer bonding. The varieties BIGUMA®- Emulsion PMB 60-S of type C60BP4-S or BIGUMA®- Emulsion HKS of type C40B5-S are intended for asphalt work according to ZTV Asphalt SB 07.

Central Sales

Dortmunder Gußasphalt GmbH & Co. KG

✉ Am Hafenbahnhof 10 ■ 44147 Dortmund ■ Germany

☎ +49 231 395797 - 37 @ info@dga.de

Producer

Plant Wm. Hilgers

Material consumption

Experienced has shown consumption to be 0.25 - 0.35 kg/m², whereby the upper limit applies to thinned underlayers. The amounts needed to establish a seal depend on the design. Approx. 1-2 kg/m² can be assumed as a guide value.

Form of supply

Tanker
Service tanks
1000 kg IBC container
200 kg disposable drum
30 kg packaging,
other packaging units on request

Storage

The product can be stored for at least 6 weeks in the unopened original container.
The packaging must be stored frost-free. Avoid direct sunlight.

Cleaning agents

When fresh:	Water
When set:	BIGUMA®- SWS or benzines
In case of skin contact:	Hand cleansing paste

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Technical data

BIGUMA®- Emulsion BE60					C60B4-S
Characteristic		DIN EN	Unit	Cl.	Requirement
To be determined on the bitumen emulsion					
Breaking behaviour: Breaking value (Forshammer Füller)*		13075-1		4	110 to 195
Penetration ability		12849	min	0	NI
Binder content		1428	M.-%	6	58 to 62
Efflux time, 2 mm at 40 °C*		12846-1	s	3	15 to 70
Sieving residue 0,5 mm - sieve	1429	M.-%	4	4	≤ 0,5
Sieving residue after 7 days 0,5 mm - sieve			4	4	≤ 0,5
Adhesive performance with reference aggregate*	13614	%	2	2	≥ 75
To be determined on recovered binder (recovery according to DIN EN 13074-1)					
Penetration at 25 °C*	1426	0,1 mm	5	5	≤ 220
Softening point ring and sphere*	1427	°C	8	8	≥ 35
Cohesion (only type BP)					
Force ductility*	13589, 13703	J/cm ²			-
Breaking point according to Fraaß	12593	°C			-
Elastic recovery at 10 °C	13398	%			-
To be determined on recovered and stabilised binder (Binding agent according to DIN EN 13074-2)					
Penetration at 25 °C*	1426	J/cm ²	1	1	DS
Softening point ring and sphere*	1427	°C	1	1	DS
Cohesion (only type BP)					
Force ductility*	13589, 13703	J/cm ²			-
Elastic recovery at 10 °C	13398	%			-

*Essential characteristics according to DIN EN 13808:2013

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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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