

BIGUMA®

-Emulsion PMB 60-S



(formerly: HILAFLEX®- 60 C2)

Type: C60BP4-S



Use

BIGUMA®- Emulsion PMB 60-S is a type C60BP4-S bituminous polymer emulsion used for layer bonding in accordance with TL BE-StB. BIGUMA®- Emulsion PMB 60-S is to be used for load classes BK 100 to BK 3.2 in accordance with ZTV Asphalt-StB.

Conformity

BIGUMA®- Emulsion PMB 60-S is certified as a C60BP4-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 PMB 60-S is an especially easy-to-spray bituminous polymer emulsion. The combination of very good wetting properties plus strong adhesive force allows BIGUMA®- Emulsion PMB 60-S to bond asphalt layers optimally when applied properly.

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

Application instructions

BIGUMA®- Emulsion PMB 60-S should be processed at a temperature of 50 to 80 °C, depending on the sprayer. The spraying work can be carried out over large areas using ramp sprayers, but also over small areas using hand sprayers with heater. The work must be coordinated so that BIGUMA®- Emulsion PMB 60-S can dry but does not remain open for an unnecessarily long period. Hierbei ist zu beachten, dass die Trocknungszeit witterungsabhängig ist. 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 PMB 60-S 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.

When applying poured or mastic asphalt, the underlayer must not be sprayed with BIGUMA®- Emulsion PMB 60-S.

For easier cleaning, the sprayer should be emptied and cleaned as soon as possible after spraying.

Central Sales

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☎ +49 231 395797 - 37 @ info@dga.de

Producer

Plant Wm. Hilgers

Material consumption

Experienced has shown consumption to be 0.15 - 0.5 kg/m², whereby the upper limit applies to thinned underlayers. The amounts consumed are regulated in ZTV Asphalt StB 07, depending on the underlayer.

Form of supply

Complete implementation of the spraying work

Tanker

Service tanks

1000 kg IBC container

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 PMB 60-S					C60BP4-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	≤ 0,5
Sieving residue after 7 days 0,5 mm - sieve				4	≤ 0,5
Adhesive performance with reference aggregate*	13614	%		3	≥ 90
To be determined on recovered binder (recovery according to DIN EN 13074-1)					
Penetration at 25 °C*	1426	0,1 mm		3	≤ 100
Softening point ring and sphere*	1427	°C		4	≥ 50
Cohesion (only type BP)					
Force ductility*	13589, 13703	J/cm ²		4	≥ 1,0 (at 5°C)
Breaking point according to Fraaß	12593	°C		5	≤ -10
Elastic recovery at 10 °C	13398	%		3	≥ 50
To be determined on recovered and stabilised binder (Binding agent according to DIN EN 13074-2)					
Penetration at 25 °C*	1426	0,1 mm		1	DS
Softening point ring and sphere*	1427	°C		1	DS
Cohesion (only type BP)					
Force ductility*	13589, 13703	J/cm ²		1	DS
Elastic recovery at 10 °C	13398	%		1	DS

*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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