

# BIGUMA®

## -Emulsion HK-S



(formerly: Hilgers-Haftkleber P66, Biguma®- Haftkleber)

**Type: C40B5-S**



### Use

BIGUMA®- Emulsion HK-S is sprayed onto underlayers to create a frictional bond between asphalt layers in accordance with ZTV Asphalt-StB for load classes BK 1.8 to BK 0.3.

### Conformity

BIGUMA®- Emulsion HK-S is certified as a C40B5-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 HK-S is an especially easy-to-spray bituminous emulsion. The combination of excellent wetting and sealing properties as well as the strong adhesive force allows BIGUMA®- Emulsion HK-S to create an optimal frictional bond between asphalt layers when applied properly.

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

- low consumption
- excellent wetting to the subsoil
- good adhesion between asphalt layers
- very easy to use and provides an even spray
- relatively little spray mist
- easy to use
- good adhesion of emulsion thanks to cationic properties
- high storage stability
- corresponds to national regulations
- corresponds to European regulations
- environmentally friendly

### Application instructions

BIGUMA®- Emulsion HK-S 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 HK-S 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 HK-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.

#### Central Sales

Dortmunder Gußasphalt GmbH & Co. KG

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#### Producer

Plant Wm. Hilgers

When applying poured or mastic asphalt, the underlayer must not be sprayed with BIGUMA<sup>®</sup>- Emulsion HK-S.

## Material consumption

Experienced has shown consumption to be 0.2 - 0.3 kg/m<sup>2</sup>, whereby the upper limit applies to thinned underlayers.

## Form of supply

Complete implementation of the spraying work

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 12 weeks in the unopened original container. The packaging must be stored frost-free. Avoid direct sunlight.

## Cleaning agents

When fresh:

Water

When set:

BIGUMA<sup>®</sup>- SWS or benzines

In case of skin contact:

Hand cleansing paste

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## Technical data

BIGUMA® - Emulsion HK-S					C40B5-S
Characteristic		DIN EN	Unit	Cl.	Requirement
To be determined on the bitumen emulsion					
Breaking behaviour: Breaking value (Forshammer Füller)*	13075-1		5		> 170
Penetration ability	12849	min	1		DS
Binder content	1428	M.-%	3		38 to 42
Efflux time, 2 mm at 40 °C*	12846-1	s	2		≤ 20
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	%	2		≥ 75
To be determined on recovered binder (recovery according to DIN EN 13074-1)					
Penetration at 25 °C*	1426	0,1 mm	5		≤ 220
Softening point ring and sphere*	1427	°C	8		≥ 35
Cohesion (only type BP)					
Force ductility*	13589, 13703	J/cm <sup>2</sup>			-
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	0,1 mm	1		DS
Softening point ring and sphere*	1427	°C	1		DS
Cohesion (only type BP)					
Force ductility*	13589, 13703	J/cm <sup>2</sup>			-
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](http://www.dga.de).

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