

# BIGUMA®

## -Emulsion BE70 REP



(formerly: Hilgers-U70K; Biguma-U70K)

**Type: C67B3-REP**



### Use

BIGUMA®- Emulsion BE70 REP is used for "spraying and scatter coating" maintenance work according to ZTV BEA-StB. The optimised flow properties of this bituminous emulsion also make it suitable for use on gentle slopes.

### Conformity

BIGUMA®- Emulsion BE70 REP is certified as a C67B3-REP 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

The breaking behaviour of BIGUMA®- Emulsion BE70 REP is adapted to the common types of chipping and conventional underlayers. The spray properties of this emulsion are adapted to standard application devices and thus ensure easy processing. The combination of strong adhesive force plus robust material properties allows BIGUMA®- Emulsion BE70 REP to repair substance defects, such as hairline cracks, excessive thinning and to a certain extent also grain eruptions, optimally when applied properly.

BIGUMA®- Emulsion BE70 REP is especially easy to process as a product and is distinguished by the following characteristics:

- good adhesive properties of emulsion on the subsoil
- very good adhesion of grit
- easy to use and provides an even spray
- very good sealing of the underlayer
- high storage stability of the emulsion
- certified according to national regulations
- certified according to European regulations
- inexpensive repair and maintenance material for road maintenance
- minimises expensive road repair costs if used in good time
- environmentally friendly

### Application instructions

BIGUMA®- Emulsion BE70 REP must be processed at a temperature of 50 to 80 °C. Experience has shown that processing in the upper temperature range leads to a more even spray appearance. A cooled emulsion should be heated gently. For homogenisation, drums must be rolled and containers or canisters stirred before processing.

BIGUMA®- Emulsion BE70 REP should not be processed in cold and rainy weather.

#### Central Sales

Dortmunder Gußasphalt GmbH & Co. KG

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☎ +49 231 395797 - 37    @ info@dga.de

#### Producer

Plant Wm. Hilgers

## Material consumption

For "scatter coating and gritting" maintenance work, the range of amounts consumed and chippings is specified in ZTV BEA-StB 09. The appropriate consumption value must be determined with due consideration of the construction circumstances. Thus a higher amount to be consumed should be chosen for coarser, thinner underlayers and in shady locations, while a lower amount to be consumed should be chosen for higher traffic loads.

Amounts consumed according to ZTV BEA-StB 09/13

Type of binder	Amount of binder [kg/m <sup>2</sup> ]	Coarse aggregate	Bindemittelsorte
		Available grain size	Amount [kg/m <sup>2</sup> ]
BIGUMA®- Emulsion BE70 REP	1,2 - 1,7	2/5	9 to 14
	1,5 - 2,1	5/8	11 to 17

## Form of supply

Complete implementation of the repair 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 4 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 REP					C67B3-REP
Characteristic		DIN EN	Unit	Cl.	Requirement
To be determined on the bitumen emulsion					
Breaking behaviour: Breaking value (Forshammer Füller)*	13075-1			3	70 bis 155
Binder content	1428	M.-%		8	65 bis 69
Efflux time, 2 mm at 40 °C*	12846-1	s		0	KA
4 mm at 40 °C*				5	5 bis 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	%		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)					
Pendulum test*	13588	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)					
Pendulum test*	13588	J/cm <sup>2</sup>			-
Elastic recovery at 10 °C	13398	%			-

\*Essential characteristics according to DIN EN 13808:2013

Technical data sheet page 3

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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