

# Product Data Sheet

## Lucosol 60-S - Emulsion

### 1. Use

Lucosol 60-S is a bituminous polymer emulsion used for layer bonding in accordance with TL BE-StB (Germany). Lucosol 60-S is used for classes BK 100 to BK 3.2 in accordance with ZTV Asphalt-StB.

### 2. Confirmity

Lucosol 60-S is certified as a cationic bituminous emulsion according to the national framework TL BE-StB and the harmonized European standard EN 13808. The high quality requirements are ensured by our continuous quality assurance.

### 3. Properties

Lucosol 60-S emulsion is an especially easy-to-sprax bituminous polymer emulsion. The combination of very good wetting properties plus strong adhesive force allows Lucosol 60-S to bond asphalt layers optimally when applied properties.

- 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

### 4. Application instructions

Lucosol 60-S should be processed at a temperature of 50 – 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 Lucosol 60-S Emulsion can dry but does not remain open for an unnecessarily long period. Please note here that the drying time depends on the weather and at substrate temperature 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 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.

### 5. Material consumption

Experienced has shown consumption to be 0.15 – 0.5 kg/m<sup>2</sup>, whereby the upper limit applies to thinned underlayers. The amounts consumed are regulated in ZTV Asphalt StB 07, depending on the underlayer.

### 6. Form of supply

Complete implementation of the spraying work  
Tanker  
Service tanks  
1000 kg IBC container  
200 kg container/barrel  
30 kg packaging  
Other packaging units on request

### 7. Storage

Lucosol 60-S can be stored for at least 6 weeks in the unopen original container. The packaging must be stored frost-free.

### 8. Safety notes

Comprehensive instructions are given in the corresponding Safety Information Sheet (SI).

Data Sheets are available upon request from LUCOBIT AG sales offices.

### 9. Cleaning agents

When fresh:	Water
When set:	benzines
In case of skin contact:	Hand cleaning paste

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### 10. Technical Data of Lucosol 60-S

Typical general characteristics	EN Standard	Unit	CL	requirements
<b>To be determined on the bitumen emulsion</b>				
Breaking behaviour: Breaking value (Forshammer Filler)*	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	1429	M.-%	4	≤ 0,5
Adhesive performance with reference aggregate*	13614	%	3	≥ 90
<b>To be determined on recovered binder (Recovery according to EN 13074-1)</b>				
Penetration at 25 °C*	1426	0,1 mm	3	≤ 100
Softening point ring and sphere*	1427	°C	4	≥ 50
<b>Cohesion (only type BP)</b>				
Force ductility*	13589, 13703	J/cm <sup>2</sup>	4	≥ 1,0 (at 5°C)
Breaking point according Fraaß	12593	°C	5	≤ -10
Elastic recovery at 10 °C	13398	%	3	≥ 50
<b>To be determined on recovered and stabilised binder (Binding agent according to EN 13074-2)</b>				
Penetration at 25°C*	1426	0,1 mm	1	DS
Softening point ring and sphere*	1427	°C	1	DS
<b>Cohesion (only type BP)</b>				
Force ductility*	13589, 13703	J/cm <sup>2</sup>	1	DS
Elastic recovery at 10 °C	13398	%	1	DS

\*Essential characteristics according to EN 13808: 2013

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