

Spectrasfalt[®] Microdeck Emulsion

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|---------------------------------------|--|--------|--|
| Emulsion composition | Spectrasfalt Microdeck Emulsion is a cationic, rapidly breaking emulsion to which polymers have been added. | | |
| Emulsion properties | emulsion type | : | cationic |
| | binder content | : | min. 55% |
| | sieve residue 125 µm | : | < 0,5% |
| | viscosity [ISO 4 mm, 25°C] | : | 20 - 50 sec. |
| | density 25°C | : | approx. 1 kg/l |
| | particle size | : | < 5 µm |
| Binder properties after drying | softening point R & B | summer | : 48 - 55°C |
| | | winter | : 44 - 48°C |
| | elasticity | 20°C | : > 2.000% |
| | | 0°C | : > 500% |
| System properties | wear resistance WTAT [ISSA 100] | : | 1,3% [max. 10%] |
| | mixing time [depending on temperature and aggregate] | : | 30 - 300 sec. |
| | bonding strength 10°C asphalt/ | : | > 0,4 M/mm ² [crack in asphalt] |
| | concrete | : | > 0,8 N/mm ² |
| | water absorption 6 days [AKB standard] | : | 1,3% [max. 10%] |
| | Schulze Breuer adhesion [AKB standard] | : | 0,5% [max. 5%] |
| Uses | Combining the binder with aggregate and cement produces a slurry surfacing mortar which is suitable for creating thin, wear-resistant surface layers. | | |
| | Slurry surfacing is used on asphalt and concrete in the road and construction industry for maintenance purposes in road areas, car parks, intersections, pedestrian areas, boulevards, shopping precincts, cycle paths, etc. | | |
| Application | The Spectrasfalt Microdeck system is applied mechanically, using a specially designed mixing machine ¹⁾ , to a clean asphalt or concrete subsurface. The mixture is applied cold in layer thicknesses of between 3 and 10 mm. Masking tape should be used where it is necessary to work in small strips or specific patterns. Aggregate, cement and emulsion should be added to the mixing machine in the correct quantities, so that a mixture with the following composition is formed: | | |
| | 100 kg aggregate | | |
| | 10 - 12 kg Spectrasfalt Microdeck Emulsion | | |
| | 1 - 3 kg Portland cement | | |
| | additive depending on desired breaking time | | |
| | This mixture can be spread on the road surface using a normal drag scraper. At high application temperatures, an additive can be used to delay the reaction. | | |



PRODUCT INFO

Note ¹⁾

Spectrasfalt Microdeck Emulsion cannot be applied using a highspeed displacement pump. The mixing machines should preferably be equipped with a pressure dosing system or a hose pump.

Depending on the weather conditions, the workable time can be regulated. The treated surface can be driven over after approx. 30 minutes. Masking tape should be removed as soon as possible, since removal will be very difficult once it has been driven over by traffic.

Consumption

| layer thickness mm | 3 | 4 | 5 | 6 |
|----------------------------------|-------------|-------------|-------------|-------------|
| consumption kg/m ² | | | | |
| Microdeck emulsion | 1,00 - 1,35 | 1,35 - 1,75 | 1,75 - 2,15 | 2,00 - 2,40 |
| cement | 0,06 - 0,08 | 0,08 - 0,11 | 0,11 - 0,13 | 0,13 - 0,15 |
| aggregate | 5,8 - 8,3 | 8,3 - 10,8 | 10,8 - 13,3 | 12,5 - 15,0 |
| mortar | 7 - 10 | 10 - 13 | 13 - 16 | 15 - 18 |

Packaging

: in bulk
: in 200 litre steel drums

Storage

Frost-free, in sealed packaging. Can be stored for a maximum of 6 months. Noticeable sedimentation may occur after 2 month's storage; thorough stirring will homogenise the material once more, however.

The information submitted in this publication is based on our current knowledge and experience. In view of the many factors that may affect processing and application, these data do not relieve processors of the responsibility of carrying out their own tests and experiments; neither do they imply any legally binding assurance of certain properties or of suitability for a specific purpose. It is the responsibility of those to whom we supply our products to ensure that any proprietary rights and existing laws and legislation are observed.

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