BIGUMA®
-Fertigschlämme SF

Special rejuvenator based on a polymer modified bitumen emulsion

Use

BIGUMA®- Fertigschlämme SF is preferably used for sealing and therefore for a prolongation of the service life of asphalt layers especially at higher loads of leachates, acids and aggressive liquids.
Slender and only facile attacked top coats can be prevented from further damage by the application of BIGUMA®- Fertigschlämme SF. Asphalt surfaces, which had been produced too open porous, can be closed with BIGUMA®- Fertigschlämme SF.
BIGUMA®- Fertigschlämme SF takes over the function of a wearing surface.

Properties

BIGUMA®- Fertigschlämme SF corresponds with the regulations of the attached resistance chart and distinguishes itself by the following characteristics:

- good resistance against leachates, acids and aggressive liquids
- good adhesive strength to bitumen based and mineral substrates
- polymer modified bitumen, therefore very good usage properties at heat and cold
- solvent-free, therefore environment-friendly
- easy application without machines
- thixotropic set, therefore easy application and good storage life
- resistant against mechanical load
- bitumen based building material and therefore it can be disposed without difficulties

Application instructions

The rejuvenator has to be stirred before the application. BIGUMA®- Fertigschlämme SF will be applied with the help of a rubber slider smoothly and sharply tore-off over the chippings top of the asphalt surface.
At great heat the asphalt surface has to be lightly wetted with water before the application of the rejuvenator takes place. For increasing the roughness BIGUMA®- Fertigschlämme SF can be mixed with approx. 10 % clay-free sand of the grading 0/2.
The treated areas can first be rolled by traffic again after total dry-out of the rejuvenator.
The drying time is per rejuvenator layer approx. 2 - 4 hours. Lower temperatures delay; higher temperatures quicken the drying process. A second rejuvenator layer can first be applied after a complete dry-out of the first layer.

Requirements to the subsoil

The layer surface has to be cleaned thoroughly. The subsoil has to be even and good compressed.
The application of BIGUMA®- Fertigschlämme SF should first take place after a weathering period of approx. 4 weeks at fresh applied asphalt top coats.

Weather conditions

The application is only allowed to take place at dry weather conditions. The ambient temperature and the surface temperature should not be below + 10 °C.

BIGUMA®-Fertigschlämme SF

Material consumption

The material consumption varies with the composition of the substrate.

Single rejuvenator layer: approx. 0.8 - 1.5 kg/m²

Double rejuvenator layer:
   1. rejuvenator layer   approx. 1.0 - 1.5 kg/m²
   2. rejuvenator layer   approx. 0.6 - 1.2 kg/m²

Primer for older asphalt layers:
   BIGUMA®- Fertigschlämme SF,
   1 : 1 thinned with water: approx. 0.4 - 0.6 kg/m²

Storage

BIGUMA®- Fertigschlämme SF is at least storable for 6 months in unopened original tins. The tins have to be stored free from frost. Exposures to direct sunlight or strong heat have to be avoided.

Form of supply

30-kg-tins

Cleaning agent

In fresh state: water
In set state: BIGUMA®- SWS, petrols or commercial solvents
At skin contact: hand washing paste

Technical data

External composition (DIN EN 1425):   black to grey, capable of flow, even

Loss in weight by evaporation
(DIN 52045-1):   < 30 %

Density at 25 °C (DIN EN ISO 3838):   approx. 1.30 g/cm³

Kind of binder: polymer modified bitumen

Solid content: > 70 %

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