



Barrel
210kg

Bulk

General description

Slow setting and low viscosity cationic bituminous emulsion composed of road asphalt, water and special emulsifiers. The use of bituminous emulsion KE-5 instead of cutback asphalt or hot road asphalt improves the quality of the executed works and increases the pavement resistance. This is achieved, as the road surface is fully and homogeneously covered with a thin layer of asphalt. Also money and time saving is achieved, as no use of heat is required during any state of application. It can be used to wet surfaces without anti-stripping agent's addition.

Applications

- Basis pre-coating.
- Pre-mixture of aggregates for surface treatments.

Application method

The surface of application must be clean from oils or waste materials. KE-5 is sprayed on the surface with the appropriate apparatus so that homogenous suspension of the material is achieved on the whole surface. Good stirring before use is advised for complete homogenization of the emulsion. Application during rainy weather is not recommended Application temperature is 2 °C - 60 °C.

Consumption

It depends on the sub layer properties and the nature of the aggregate materials and varies between 0,1 – 0,2 kg/m².

Packaging - Storage

Bulk in tank trucks and in 200 lt (210 kgs) barrels.

In frost temperature (< 2 °C) and high temperatures (> 60 °C) protection is needed to avoid thrombosis of the emulsion. When the emulsion is stored in tanks for a long period of time, the tanks in question must be thermo-insulated having a mixing or recirculation equipment. When the emulsion is stored in barrels the maximum storage period is (1) one year in a weather protected environment.

Precautions

Avoid skin and eye contact. In case of skin-eye contact, use plenty of water and seek medical advice. Use appropriate means of self-protection. Non toxic. It must not be disposed on soil or aquatic environment.

Technical Specifications

Tests	Test Method	Limits
Test on emulsion		
Viscosity Saybolt Furol, 25 °C, sec, max	Model technical specification Ministry of Public Works A203	- 10
Distillation residue, %, min		25
Impregnation ability, penetration time, max		20
pH		3 - 7
Test on residue		
Penetration 25 °C, 100 gr, 5 sec, 0,1 min	Model technical specification Ministry of Public Works A203	100 - 320
Solubility in trichloroethylene, %, min		97,5
Ash, %, max		2
Ductility, 25 °C, cm, min		40

