



Barrel
210kg

Bulk

General description

KE-4 is a slow fission, low viscosity cationic bituminous emulsion containing road asphalt, water and special emulsifiers. The KE-4 emulsion provides excellent grip on surfaces and very good adhesion properties with different types of aggregates. It can be applied to wet surfaces without additional use of waterproofing agents.

Applications

KE-4 is used for preparation of cold mix asphalt.

Application method

The KE-4 is mixed with aggregates (limestone or silicates). Good stirring before use is advised for complete homogenization. Application during precipitation is not possible. Application temperature is 2 °C - 60 °C.

Consumption

It depends on the properties and nature of the aggregate materials and varies between 5% - 8% of the weight of aggregates used.

Packaging - Storage

Bulk in tank trucks and in 200 lt (210 kgs) barrels.
In frost (temperatures < 2 °C) and high temperatures (> 60 °C) protection is needed to avoid thrombosis of the emulsion. In case of long period storage in tanks, storage tanks should be thermo-insulated and must have stirring or recirculation system. In case of packaging the emulsion in barrels the maximum storage period is (1) one year in covered place.

Precautions

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

Technical Specifications

Tests	Test Method	Limits
Test on emulsion		
Viscosity Furol, 25 °C, sec	Model technical specification Ministry of Public Works A203	20 - 100
Distillation residue, %, min		55
Settlement, % (5 days), max		5
Sieve test, %, max		0,10
Indicator pH		3-7
Test of adhesion, coating, %, min		95
Temperature of application, °C		2 - 60
Test on residue		
Penetration 25 °C, 100 gr., 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

