

BS group Bitumen Emulsion K3

Cationic Bitumen Emulsion Slow setting



Introduction

BS group bitumen emulsion K3 is a mixture of water & bitumen, Addition of emulsifier with water facilitates breaking of bitumen into minute particles, K3 is a cationic (slow setting) road emulsion that contains 56% bitumen.

Asphalt emulsion K3 is in chocolate brown in color and is a free flowing liquid at ambient temperature and it is cold applied, liquid bitumen emulsions.

Typical properties of Bitumen emulsion K3

BS group K3 cationic bitumen emulsion is made according to KS 02-769: 1990 standard.

Property	Result
Particle charge	Positive
Residue on 710 um KS sieve (m/m), maximum	0.05
Residue on 150 um KS sieve (g per 100 mL), maximum	0.15
Binder content (m/m), minimum	56
Viscosity (degrees Engler (°E) at 20°C)	10 max.
Viscosity redwood No. II (s at 85°C)	-
Storage stability (long period test) % water content difference, maximum	2

Advantages

At the following you can find some advantages of this product:

- Environment friendly
- No heating required
- Cost efficient
- Easy and uniform spray
- Low temperature curing, fast setting time
- High adhesive properties
- Prevents slippage of structural layers

Applications

Bitumen Emulsion K3 is for road pavement bases and surfaces projects as:

- Plant mix (cold) with both dense-graded aggregate and sand
- Mixed-in-place with dense-graded aggregate
- Slurry seal

Also, k3 emulsified bitumen use for some bituminous applications like:

- Fog Seal
- Prime coat-penetrable surface
- Tack coat
- Dust Binder
- Mulch Treatment
- Crack filler

Recommended rate of application

Bitumen Emulsion K3 is designed for use in slurry seals and for cold storable mixtures for patching. They are designed for soil stabilization and also suitable for use with cold recycling. These emulsions are tailor made as per quality of aggregates and local site conditions.

Application	Quantity in Kg/10 m2 Area
Fog Seal	5 to 10
Slurry Seal	10 to 12
Premix Seal Coat	12 o 15

To Ensure Best Result

- Use without diluting Bitumen Emulsion with water
- Use at ambient temperature
- Roll the Bitumen Emulsion drums to and fro motion at a distance of minimum 5 meter

Handling and safety

- Contains petroleum distillate; flammable: keep away from open fire, sparks or other ignition sources; wear protective clothing, gloves and goggles.
- Fire flammable when wet, flash point 40°C.
- Skin –avoid repeated or prolonged contact, if occurs remove with hand cleaner that removes oil or grease, then clean with soap and water.
- Eyes contact could cause irritation, if contact occurs flush immediately with clean water.
- Inhalation can cause dizziness, move immediately in fresh air if dizzy and if breathing difficulty persists administer oxygen.



Cleaning

Tools: Clean with kerosene.

Hands: Use a hand cleanser or kerosene followed by soap and water.

Availability

BS group Bitumen Emulsion K3 is available in:

- Bulk
- IBC Tank, Flexi Tank
- Reconditioned steel drums 220 lit., Net Weight: 200 ± 3 Kg
- New steel drums 220 lit., Net Weight: 200 ± 3 Kg