



BS group Bitumen Emulsion K1-40

Cationic Bitumen Emulsion



Introduction

BS group asphalt emulsion K1-40 cationic bitumen emulsion is an emulsified asphalt containing minimum 40% bitumen and 60% water. It is a low viscosity emulsion used mainly for tack coating. Bitumen emulsion K1-40 is in chocolate brown in color and is a free flowing liquid at ambient temperature.

Typical properties of Bitumen emulsion K1-40

BS group K1-40 cationic bitumen emulsion is made according to KS 02-769: 1990 standard and Malaysian Standard, MS 1.61 (1994).

No	Property	Test Method	Min	Max
1	Saybolt fural viscosity @ 25°C sec	ASTM D224	–	25
2	Storage Stability (24 hours) %	ASTM D224	–	1
3	Sieve Test (%)	ASTM D224	–	0.1
4	Particle Charge Test	ASTM D224	Positive	–
5	Solubility in Trichloroethylene (% Mass)	ASTM D2042	97.5	–
6	Residue from distillation	ASTM D224	38	–
7	Penetration @ 25°C, 100g, 5sec	ASTM D5	60	200

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 K1-40 is primarily used as a tack coat, to provide a bond between the existing surface and overlays e.g hot rolled asphalt, macadam and slurry seals, or between courses in road construction.

Tack Coat K1-40 cationic bitumen emulsion can be used at ambient temperature at the spray rate of 0.25 to 0.70 liter per square meter (0.05 to 0.15 gallon per square yard).

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 K1-40 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