

# BS group Bitumen Emulsion K2

Cationic Bitumen Emulsion Medium setting



## Introduction

BS group bitumen emulsion K2 is a cationic emulsion that contains 57% bitumen. In fact, K2 is a cationic medium setting emulsion as per British standards and it's suitable for premix – carpet and pothole repair.

Asphalt emulsion K2 is in chocolate brown in color and is a free flowing liquid at ambient temperature and it is cold applied, liquid bitumen emulsions, used in the construction and repair of pavements, driveways, roads, and highways.

## Typical properties of Bitumen emulsion K2

BS group K2 cationic bitumen emulsion is made according to KS 02-769: 1990 standard.

Property	Result
Particle charge	Pos.
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	57
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

Emulsified emulsion K2 is used for pavement bases and surfaces as:

- Plant mix (cold) with open-graded aggregate
- Mixed-in-place with open-graded aggregate

Also, Bitumen Emulsion K2 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.

Typical rate of application of BS group Bitumen Emulsion K2 for Patch Repairing/Pot Hole Repairing is 7 % by weight of aggregates.

Tack Coat K2 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 K2 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