



**RTI EMULSION SS 1:**



RTI Emulsion SS 1 is specially designated oil based Bitumen Emulsion with low viscosity, extended setting time and stability with cement that makes it an ideal product for Prime Coat application. It is black in colour and is a free flowing liquid at ambient temperature. RTI Emulsion SS 1 is manufactured as per IS standard IS 8887:2018.

**TYPICAL PROPERTIES:**

| No | PROPERTIES   | RTI EUMULSION SS 1 |
|----|--|--------------------|
| 1  | Residue on 600 micron IS Sieve, % max              | 0.05               |
| 2  | Viscosity at 25 °C (Saybolt Furol Viscometer), sec | 20 -100            |
| 3  | Setting Time, Hours, Max                           | 48                 |
| 4  | Residue by evaporation, % Min                      | 50                 |
| 5  | Coagulation at Low Temperature                     | NIL                |

**ADVANTAGES:**

- Superior penetration into miniature pores of sub base.
- Compatible with Portland cement
- Low temperature curing allows the binder to penetration into sub base
- Prevent ingress of underground water into the pavements by plugging the capillary voids.
- Enhances structural strength by strongly binding loose aggregates
- Easy to apply and hassle free
- Prevent Raveling and rutting
- Environmental friendly.



**Application:**

RTI Emulsion SS 1 is ideally suited for prime coating on WMM/WBM surface and it has the ability to penetration 8 -10 mm deep into low porous WMM surface.

The Emulsion must penetrate The first few millimeters Of the layer very quickly

Prime coat will not succeed if the emulsion is of a viscosity is of a viscosity that does not correspond to the gravel or has too high breaking speed



**RAJESHREE TAR INDUSTRIES**

**MANUFACTURER OF BITUMEN EMULSION AND MODIFIED BITUMEN**

IS 73:2013  
APPROVED BY:  
  
CML-7300134199

IS 8887  
APPROVED BY:  
  
CML-7300131030

**Rate of Application:**

| No | Type of Surface                                | Viscosity of Primer at 60°C<br>(Centistokes) | Quantity in<br>Kg/10 m <sup>2</sup> Area |
|----|--|--|--|
| 1  | Low porous (WMM/WBM)                           | 30 - 60                                      | 6 to 9                                   |
| 2  | Medium Porous<br>(Cement Stabilized Soil Base) | 70 -140                                      | 9 to 12                                  |
| 3  | High Porous<br>(Gravel Base)                   | 250 -500                                     | 12 to 15                                 |

**To Ensure Best Results:**

- Use without diluting Bitumen Emulsion with any solvent
- Use at ambient temperature
- Roll the Bitumen Emulsion drums 5 times before using.

**Availability:**

RTI Emulsion SS 1 is available in  
Bulk  
HDPE Drums 200 kg

