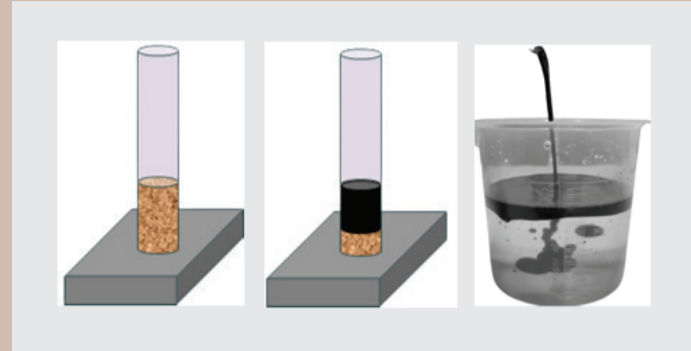


### Water miscibility test

#### Technical Specifications

- **Emulsion Type:** Slow Setting 1 (SS1)
- **Standard:** Conforms to IS 8887
- **Penetration Capability:** High (Achieves penetration of up to 15 mm)
- **Adhesion Strength:** Excellent
- **Water immiscible**
- **Application Rate:** Typically ranges from 0.6 to 1.2 liters per square meter, depending on site conditions and base material.



The recommended application rate for SS1 bitumen emulsion, according to IS 8887, varies based on the type of surface. low-porous surfaces like WMM/WBM, it's 6 to 9 kg per 10 sq meters. For medium-porous surfaces such as cement-stabilized soil. 9 to 12 kg per 10 sq meters. For high-porous surfaces like gravel, the rate is 12 to 15 kg per 10 sq meters.



# HINCOL EMULTRA PLUS SS1 (IS)



**Hindustan Colas Private Limited**

A joint venture company of Hindustan Petroleum Corporation Ltd. and COLAS SA France

HINCOL HOUSE - B-601, 6th Floor, Marathon Futorex, N M Joshi Marg, Lower Parel, Mumbai – 400 013  
Website: www.hincol.in | Email: customercare@hincol.com

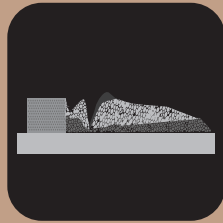




## HINCOL EMULTRA PLUS SS1 (IS)

### High-Performance Invert Emulsion for Prime Coat Application

HINCOL EMULTRA PLUS SS1 (IS) is a specially designed invert bitumen emulsion tailored for prime coat applications. Engineered for superior penetration and adhesion, this emulsion enhances the bond between the base course and asphalt layer, ensuring long-lasting pavement performance. The product is formulated to provide excellent workability, stability, and durability in diverse climatic conditions. It is immiscible with water, ensuring consistent performance in wet conditions.



**Enhanced Penetration:**  
Ensures deep infiltration into granular bases for optimal bonding.



**Superior Adhesion:**  
Forms a strong bond between the base course and subsequent layers.



**Optimized Workability:**  
Easy application under varying site conditions.



**High Storage Stability:**  
Maintains consistent performance over extended storage periods.



**Controlled Setting Time:**  
Provides a balanced drying period for efficient application.

### Applications

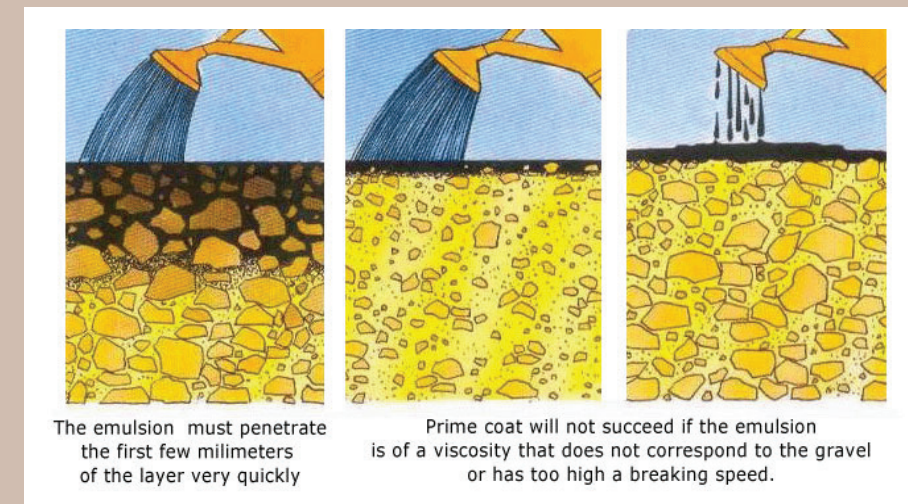
HINCOL EMULTRA PLUS SS1 (IS) is ideal for Prime coat applications in road construction.

### Importance of Prime Coat

Proper bonding between the Water Mixed Macadam (WMM) layer and the Dense Bituminous Macadam (DBM) layer is crucial for effective load distribution in pavement structures.

A well-penetrated primer like HINCOL EMULTRA PLUS SS1 ensures that.

- **Efficient Load Transfer:** Distributes traffic loads evenly, reducing stress concentrations and preventing premature failures.
- **Stronger Interlayer Bonding:** Prevents slippage and delamination between layers, enhancing pavement stability.
- **Reduced Moisture Susceptibility:** Creates a water-resistant barrier, minimizing water ingress that can weaken the base layer.
- **Extended Pavement Life:** Enhances overall durability by reducing deformation and structural weakening over time.



### Advantages of HINCOL EMULTRA PLUS SS1 (IS)

- **Improved Base Preparation:** Provides a superior foundation for asphalt layers.
- **Enhanced Durability:** Increases the longevity of road surfaces by reducing moisture ingress.
- **Cost-Effective:** Optimized formulation leads to efficient material usage and reduced wastage.
- **Eco-Friendly Composition:** Formulated with reduced environmental impact.
- **Consistent Performance:** Maintains stability across varying weather conditions and site environments.



HINCOL EMULTRA PLUS SS1 (IS) **Ideal for tack coat**