



HINCOL EMULSION **SS2**stab

Hincol Emulsion SS2stab is specially designed water-based Bitumen Emulsion ideal suited for Bituminous Stabilised Materials which are used as Emulsion Treated Base layers in flexible pavements. The product is manufactured strictly complying as per IS 8887

Typical Properties

| Properties | Hincol Emulsion SS2stab |
|---|-------------------------|
| Residue on 600 Micron IS Sieve, % Max | 0.05 |
| Viscosity @ 25C (Saybolt Viscometer), sec | 30 – 150 |
| Residue by evaporation, % Min | 60 |
| Coagulation at Low Temperature | Nil |
| Storage Stability, % Max | < 2 |

Hincol Emulsion SS2stab is ideal suited for Emulsion Treated Bases:

Emulsion Treated Bases (ETB): Emulsion Treated Base (ETB) layer material is a cold mix application, where the granular aggregate base layer materials are either modified or stabilized with bituminous emulsions. The aggregates that can be used in ETB mixes include natural aggregates, Reclaimed Asphalt Pavement (RAP) milled aggregates, or even Recycled Concrete Aggregates (RCA). Apart from aggregates and bituminous emulsion, ETB mixes also contain 1-2% active filler such as lime or cement. The dosage of active filler content is determined based on the minimum moisture resistance criteria established by different road agencies in terms of Tensile Strength Ratio (TSR) test. Factors such as residual bitumen content, active filler type and content, relative compaction, premixing water content, curing conditions, properties of base bitumen used in emulsion and aggregate petrological features affect the strength gain characteristics of ETB mixes.

Benefits of Emulsion Treated Bases:

- Reduced Pavement Deflection values with increased emulsion%
- Optimal emulsion dosage of **3%**

Cost Benefits

- For Low Volume Roads (upto 1 MSA)
- Reduced pavement thickness up to **30%**
- Economical by **7%** on initial cost basis

For Highways (> 6 MSA)

- **20-50%** cheaper than traditional mill & fill or remove and replace
- Reuse of materials saves on purchase, excavation, trucking etc

Engineering Benefits

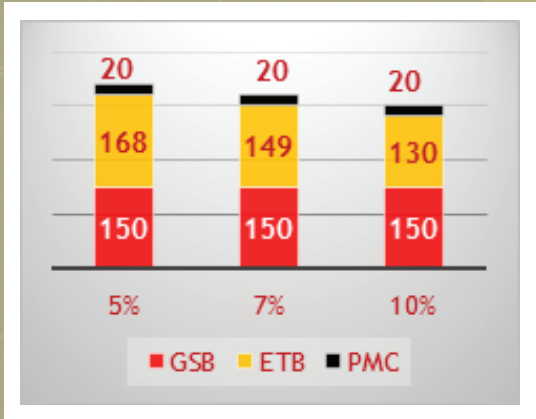
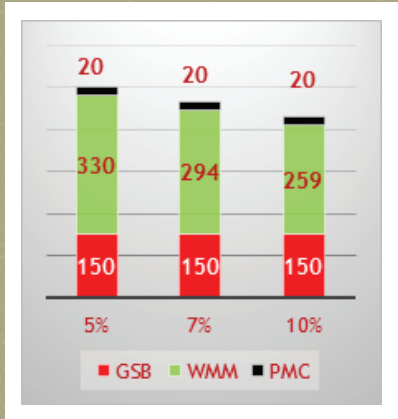
- Achieve Structural Values similar to HMA
- Enhance Road Performance with better Strength, impermeability and flexibility
- Enhanced Pavement Durability

Environmental Benefits

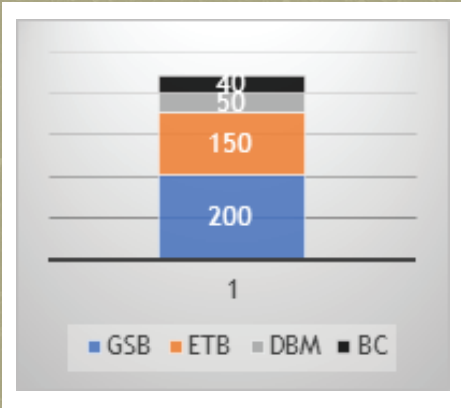
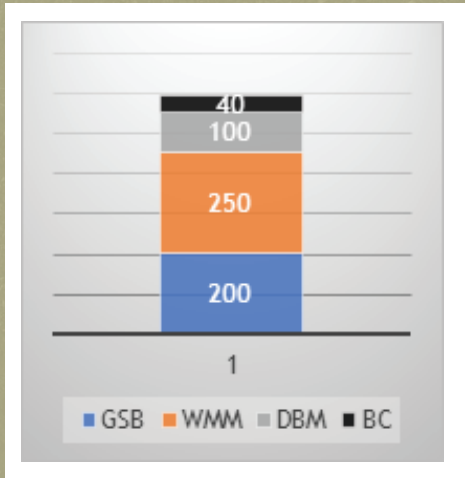
- Reuse up to 100% of existing materials
- Reduce fuel consumption and greenhouse gas emissions with reduced trucking and heating



Case Study for Low Volume Roads : Pavement Thickness Template for 1 MSA traffic for varied Subgrade CBR



Case Study: Pavement Thickness Template for 55 MSA traffic



To Ensure best results

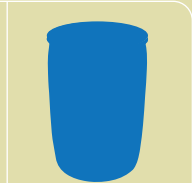
- Use without diluting Bitumen Emulsion with any solvent
- Use at Ambient temperature
- Roll Bitumen Emulsion drums 5 times before using

Availability

- Hincol Emulsion SS2stab is available in Bulk
- MS Drums 200 kg
 - HDPE Drums 200 kg



MS Drums 200 kg



HDPE Drums 200 kg

HINDUSTAN COLAS

HINCOL House B-601, Marathon Futorex, N M Joshi Marg, Lower Parel, Mumbai - 400013.
 Web: www.hincol.com | Email: corporate@hincol.com

