

TECHNICAL DATA SHEET

Emulsion Bitumen Rapid Setting 60%- CRS 1 (RS 2K)

Description

When asphalt is milled into microscopic particles and dispersed in water with a chemical emulsifier, it becomes an asphalt emulsion. The tiny droplets of asphalt remain uniformly suspended until the emulsion is used for its intended purpose. In the emulsion state, the emulsifier molecules orient themselves in and around droplets of asphalt. The chemistry of the emulsifier/asphalt/water system determines the dispersion and the stability of the suspension. When emulsions are used in the field, the water evaporates into the atmosphere, and the chemical emulsifier is retained with the asphalt.

Technical Data

PROPERTIES	RAPID SETTING 60% MIN/MAX	TECHNICALLY IDENTICAL WITH
Residue by evaporation	60%	ASTM D244
Sieve	0.1%	ASTM D244
Storage stability@1 Day	1%	ASTM D244
Particle Charge -/+	Positive	ASTM D244
Viscosity @25°C	-	ASTM D244
Viscosity @50°C	20-100	ASTM D244
ASTM D244 Test on Residue from Distillation Test		
Oil Distillate	3 Max	ASTM D244
Penetration @25°C, 100g ,5 Sec	60-200	ASTM D5
Solubility in Tri-choloro Ethylene	97.5Min	ASTM D2042

Applications

- The four main application areas are surface dressing, tack coats, slurry sealing, and cold mixing.
- Surface Dressing Road maintenance technique, that involves the restoration of a deteriorating road wearing course, before the main fabric of the road foundations are irreparably destroyed
- Tack Coats Provide a thin adhesive film of bitumen between an existing road pavement and overlay, or between courses in road construction.
- Overlay materials include hot rolled asphalt wearing courses and slurry seal. Tack coats are also used in patching and inlay work, where further functions of priming and waterproofing are necessary.
- Tack coat forms an adhesive and cohesive bond between the bituminous overlay and the existing pavement, reducing the risks of slippage between the two courses, and allowing traffic stresses to be distributed uniformly.

Packing

Steel drums

Health & 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