



PRODUCT DATA SHEET

TACK-COATING BITUMEN EMULSION. EDITION 11.

BITUMEN GRADE K1-40 / RS-0K

PROPERTY / UNIT	SPECIFICATION	TEST METHOD
Residue by evaporation	38%-40%	ASTM D244
Sieve	0.10% Max	ASTM D244
Storage stability at 1 day	1% Max	ASTM D244
Particle charge - / +	Positive	ASTM D244
Viscosity at 25°C	25 Max	ASTM D244
Viscosity at 50°C	-	ASTM D244
Oil distillate	3 Max	ASTM D244
TEST ON RESIDUE FROM DISTILLATION TEST:		
Penetration at 25°C, 100g, 5 Sec	60-200	ASTM D5
Solubility in Trichloroethylene	97.5 Min	ASTM D2042

Bitumen Emulsion is made up of three basic ingredients which include Bitumen, an emulsifying agent and water. It is a well known fact that asphalt and water will not mix, except under carefully controlled conditions using highly specialized equipment and chemical additives. **Cationic Emulsions** which have positively charged ions may be used at ambient temperatures with aggregates, which do not have to be completely dry. Emulsions are less hazardous to use and can be applied in the wider range of conditions and used for many applications including road surfacing.

Quality: All Bitumen Emulsion supplied is of the highest quality and fully compliant with ASTM, AASHTO, equivalent EN and BS International Standards and Test Methods. SGS Quality Testing and Analysis certification of the Bitumen products inspected when requested, will be compliant with Product Specifications and International Standards. Quality assured manufacturing. Equivalent to BS EN 13808.

Packaging: New steel drums or reconditioned steel drums. Weatherproof packaging for flexibility of storage.

Storage: Store in original containers in a cool dry place. Do not leave containers open. Avoid freezing.

Recommended Application Rate: **Mist Spraying** - 0.4 L/m² - 0.5 L/m². **Tack-coating** - 0.2 L/m² - 0.6 L/m². **Concrete Curing** - 0.5 L/m² - 0.9 L/m². **Full Grouting** - 5.0 L/m² - 11.0 L/m². **Semi-Grouting** - 0.4 L/m² - 0.5 L/m². **Patching** - 8.0 L/m² - 10.0 L/m². **Sealing of formation and sub-bases** - 0.9 L/m² - 1.8 L/m². **Surface dressing** - 1.4 L/m² - 1.6 L/m²

Recommended Spraying Temperature: Ambient (5°C - 35°C)

Uses: Bitumen Emulsion K1-40 / RS-0K containing 40% Bitumen, is commonly used for Tack-Coating. This is applied to an underlying surface to aid with the adhesion of the following asphalt layer. Bitumen Emulsion K1-40 / RS-0K is also used for Fog Sealing, Mist Spraying, Concrete Curing, Grouting, Sealing, Patching, Formation and Sub-base and Surface Dressing.

Flammable: Contains petroleum distillate. Avoid heat, flames and sources of ignition. (Refer to MSDS Sheet Provided)