

KAVASSU ROAD EMULSION SS-1

Real
Revolution+

INTRODUCTION :

SHALIMAR SEAL & TAR PRODUCTS PVT. LTD. is pioneer in Manufacturing / Marketing well known Shalimar brand high performance construction chemicals and waterproofing products. Various product segments are given below :

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| <ul style="list-style-type: none"> ● WATER REDUCING ADMIXTURES (PLASTICIZERS & SUPER PLASTICIZERS) ● CURING COMPOUNDS ● INTEGRAL CEMENT WATERPROOFING COMPOUNDS ● JOINT FILLERS / SEALANTS ● FOAMING/ RETARDERS/ ACCELERATING/ AIR ENTRAINING AGENTS/ HYPER PLASTICIZERS ● GROUTS & ANCHORS ● INDUSTRIAL FLOORINGS ● INSULATION PROTECTION | <ul style="list-style-type: none"> ● SILICON SEALANTS ● ADHESIVES / TILE GROUTS ● WATERPROOFING CEMENTITIOUS ● ACRYLIC WATERPROOFING COATINGS ● DAMP PROOFING COARSE / EXTERNAL WALLS SEALANT ● PRIMERS / MISLENEOUS COATINGS ● ROAD EMULSION / FILLERS / GENERAL & INDS. BITUMEN ● APP & SBS MODIFIED MEMBRANES & BITUMEN FELTS ● ANTI CORROSIVE / RUST REMOVER & CONVERTOR COATINGS |
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All products are manufacturing by India's biggest Plant of its kind. M/s. Shalimar Seal & Tar Products Pvt. Ltd., an ISO 9001 accredited company having a highly equipped in-house Research & Development laboratory with ultra modern facilities for manufacturing a quality product under technical guidance & specifications provided by both Shalimar Seal & Tar Products Pvt. Ltd. & M/s. Kavassu International Pvt. Ltd. Products are backed by world's leading company NILE WATERPROOFING COMPANY Egypt, ISOLTEMA SPA, Italy & CAPITAL UNITED, Canada. All products are timetested with varying climatic conditions through out India and have got very strong history of service and case studies in various application areas viz-a-viz construction of Buildings, Factories, Harbors, Dams, Canals, Bridges Atomic, Thermal, Hydel Power projects, Tunnels, Sub-way Boxes, Tube Railways, Roadways, NHAI etc. Shalimar's have got a wide range of products includes some special products, which are obviously not in our product range because of their end use in specific applications. Details can be provided on request. All products are manufacturing by using indigenous as well as imported raw materials to meet out the international quality standards & design to combat water and dampness in structures. All products are easy to use, environment eco-friendly and provide the user a very cost-effective remedy to sort out the problems, which unless and until considered unsolvable.

CATIONIC BITUMEN EMULSION FOR PRIME COATING

DESCRIPTION

KAVASSU CATIONIC BITUMEN EMULSION is being manufactured with the latest technical Know How and in the most modern imported colloid mill. The technical Know How has been taken from the associates of the manufacturer of the colloid Mill who have been successfully manufacturing and applying Bitumen Emulsions for various end uses since 50 years and are pioneers in the field.

Cationic Bitumen Emulsions are a mixture of Bitumen solution consisting of a controlled level of solvents, acids, water & stabilisers. Cationic Emulsions have largely displaced what is known as Anionic Emulsions because of their better overall performance and have virtually eliminated the use of the solvent based products in the more developed countries of the world. We produces Cationic Bitumen Emulsions in a state of the art plant backed by the technology of a world leader in the business. The range of the company's Emulsions allows for flexibility to suit a wide array of paving applications for all classes of roads. It can be used as an effective complement to Hot Mix Asphalt applications, as well as a stand alone solution to many superficial and subsurface road deficiencies.

KAVASSU ROAD EMULSION SS-1 though confirms to IS: 8887 specifications of Bureau of Indian Standards, being manufactured in a highly sophisticated colloid mill is much above in quality and specially designed for Indian roads and type of aggregates with much longer shelf life. **KAVASSU ROAD EMULSION SS-1** belong to the oil in water type emulsions where bitumen is dispersed in water. In these emulsions, the positively charged emulsifier ions orientate themselves to the bitumen droplets. The negatively charged chloride ions attracted to the surface of the droplets by the positive charges and an electric double layer is formed by the ions in the emulsion. The breaking rate and adhesion of emulsion on acidic & alkaline aggregates is equally excellent.

SPECIFICATIONS

A. INDIAN ROADS CONGRESS

- IRC 16 Prime coating.
- IRC 82 Maintenance work.
- IRC 96 Two coat surface dressing.
- IRC 97 Premix carpet.
- IRC 100 Single coat surface dressing.

B. MINISTRY OF SURFACE TRANSPORT

- Specifications for Road and Bridge Works
- Fourth Revision 2001.
- 508. 2 Two coat surface dressing
- 509. 2 premix carpet



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Slow Setting - (SS-1)

PRIME COAT : Emulsion is the best binder for prime coating, after cutback, where water dilution enables penetration of binder into surface beneath. While using as prime coat it penetrates in WMM/ GSB surface so deeply and gives bond tight surface for DBM after 24 Hrs. The benefits of Bitumen Emulsions include its ease of use, quality adhesion and durability over other cold mix applications and the availability various emulsions to suit a specific aggregate and job requirements. Dilute **KAVASSU CATIONIC BITUMEN EMULSION SS-1** with 100% water and spray @ 0.5 liter/ Sq.mt on WBM surface. Damp the surface with plain water prior to applying diluted **KAVASSU CATIONIC BITUMEN EMULSION SS-1**. The slow setting grades are designed for Surface Prime coats. They are used with high fines contents dense - graded aggregates. All slow setting grades have low viscosities that can be further reduced by adding solvent These blends can be diluted (up to 20 %) prior to field applications. When diluted, they may also be used for tack coats, prime coats, fog seals, & dust palliatives. The company produces three grades of SS, SS1 and SS2. Many pavements particularly lower traffic pavements are constructed with gravel or granular material. Often roads have been constructed as gravel roads and an upgrade is required. If Emulsions are applied directly to granular pavements, especially high binder content chip seal emulsions or very quick set slurry emulsions they can fail to wet the surface of the pavement creating poor adhesion. A prime coat can overcome this. In the past prime coats have been based on cutbacks but **EMULSION SS-1** is based on a special emulsion as per IS: 8887 - 2004.

The function of a prime coat is: Coat and bond any loose material. Harden or toughen the surface. Waterproof the base during construction. Plug capillary voids. Provide adhesion between the base and the next course. To be able to do this it must penetrate the surface. A penetration of 1-2cm is usually satisfactory Emulsions are discrete particles dispersed in water with an emulsifier. This emulsifier will often increase surface tension and prevent penetration into capillary void, dilution can help but the particle size of the asphalt particles & the emulsifier holds the key.

PRECAUTIONS

A. AGGREGATES:

Clean, preferably washed, properly graded to be used. The maximum size in gradation should be half the thickness of the compacted layer (e.g. for 20 mm thick carpet the max. Size should be passing 10 mm sieve).

B. HANDLING:

Use mechanical/manual sprayer for spray/grouting applications. Use pug mill/travel plant/mini mixer etc. for premixing. Use vibratory compactors for pothole filler mixes.

FIRE & SAFETY

Emulsions are non - flammable. Do not expose to naked flames or other sources of ignition. Containers should be tightly sealed when not in use. In the event of fire, extinguish with CO₂ or foam.

HEALTH & SAFETY

KAVASSU ROAD EMULSION SS-1 may cause sensitization by inhalation and skin contact. Wear suitable protective clothing, gloves and eye/face protection. Barrier creams provide additional skin protection. Should accidental skin contact occur, remove skin contact occur, remove immediately with soap & water. Do not use solvent in case of contact with eyes. In case of contact with eyes, rinse immediately with plenty of clean water and seek medical advise. Use only in well ventilated areas.

PACKING

220 liter drums.

ENVIRONMENTAL HAZARD

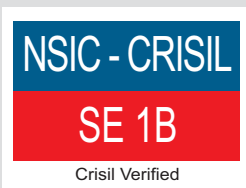
None.

CONFIRMS TO IS CODE

IS: 8887- 2004.

QUALITY ASSURANCE

As per ISO 9001 - 2000



Manufactured By:

SHALIMAR SEAL & TAR PRODUCTS PVT. LTD.

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IMPORTANT NOTE :

Products are available at all leading cement, hardware, Tile & Paint stores through our wide network of distributors across the country. The product information & application details given by the company & agents has been provided in good faith & meant to serve only as a general guideline during usage. Users are advised to carry out tests & take trials to ensure the suitability of products meeting their requirement prior to full-scale usage of our products. Since the correct identification of the problems, quality of other materials used & on-site workmanship are factors beyond our control there are no expressed or implied guarantee/warranty to the results obtained. The company does not assume any liability or any consequential damage for less than satisfactory results, arising from the use of our products. The leaflet supersedes the previous one and a new issue may take place without notice to supersede this edition as and when it becomes necessary.

Manufacturing Plants Locations:

AHMEDABAD ■ JAIPUR ■ PUNE

Registered Office :

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