

Welcome to
S.S.Industries





Brief History

S.S.INDUSTRIES , we are also accredited with ISO 9001 : 2015 certification. SSI made a very modest plant which was set-up at Kadamalaiputhur, Kancheepuram District (Tamil Nadu).

The company started manufacturing various grades of Bitumen Emulsions, Blown Bitumen, Modified bitumen (CRMB, PMB), Water Proofing Membranes and other Bituminous products, which were required to be used in the contracts undertaken and majority to supply for the projects at all over India. It started as an extension of contracting arm to manufacture products for captive consumption.

The company expanded rapidly by adopting new products and application technology to provide effective solutions to various industries.

Mission

To achieve and earn the leadership in road building Industry, we are operating by providing cost effective and innovative solutions for building of excellent quality roads through world-class product and service technologies by working with hand in hand with leading consultants, architects, engineers, contractors and construction authorities to satisfy the Bitumen Emulsion requirement by bringing to your door step the advance solution with the perfect balance of cost result ratio.

Vision

We shall be differentiated as quality driven company which will help us to achieve wide presence in international market space through constant improvement in our performance by all means & methods with Co - operation and partnership of our valued customers.

PRODUCT PROFILE

The products offered by us are broadly classified as under.

CATIONIC BITUMEN EMULSIONS

| | |
|------|---|
| RS-1 | (Rapid Setting - Tack Coat) |
| RS-2 | (Rapid Setting - Surface Dressing & Grouting) |
| MS | (Medium Setting) - Pot Hole Repair |
| SS-1 | (Slow Setting - Oil Based as per IS 8887 : 2004) |
| SS-1 | (Slow Setting - Water Based as per ASTM – Prime Coat) |
| SS-2 | (Slow Setting – Adhesion Promoter) |

RS-1: Rapid Setting emulsion grade RS-1 is specially recommended for tack coat applications. This is used as premix carpet & seal coat.

RS-2: Rapid setting emulsion grade RS-2 specially recommended for surface dressing work. The object surface dressing is to create a stable mosaic of chippings securely attached to the road surface.

MS: Medium setting emulsion used for plant or road mixes with coarse aggregates minimum 80% all of which is retained on 2.36mm IS Sieve and practically none of which passes 150 micron IS Sieve and also for surface dressing and penetration macadam.

SS-1: Slow setting emulsion consumes long time to form continuous adhesive film without any stripping and it is used for other application such as fog seal, crack sealing, prime coat applications.

SS-2: Slow setting emulsion used for plant or road mixes with graded and fine aggregate a substantial quantity of which passes a 2.36mm IS Sieve and a portion for which may pass a 75 micron IS Sieve. Examples of its uses are cold mixed MSS, SDBC and slurry seal.

Industrial Grade Bitumen

Introduction

Bitumen as we all know is dark black, thick, petroleum residue. The source of bitumen is from oil Refineries. Bitumen procured from refineries are highly viscous which by oxidation, becomes industrial bitumen.

There are many grades of Industrial Bitumen such as 30/40, 20/30, 90/15, 85/25, 115/15, 85/40, 135/10, & 10/20. Apart from these grades all other grades under IS: 73 and IS: 702 can be supplied under Special Specifications.

BITUMEN 85/25

Avail from us impeccable quality bitumen 85/25, which is hot applied and find application for the purpose of bonding of roofing membranes & other insulating panels. This bitumen are developed by us keeping into consideration the ISO guidelines, which ensures their flawless quality. We offer these bitumen to our clients at industry leading prices.

Features

- Highly physical stability
- Resistant to corrosion
- Softening point: 80degree Celsius to 90 degree Celsius
- Penetration: 20 to 30
- Precise chemical composition

BITUMEN 90/15

We are one of the preeminent manufactures, wholesale suppliers and exporters of a comprehensive range of super grade bitumen 90/15. This bitumen is manufactures from superior quality chemicals under the supervision of experienced chemical engineers, which ensures their 100% purity. We offer these bitumen 90/15 to our clients at economical prices.

Features

- Acid alkali proof
- Resistance to mildly corrosive conditions
- Excellent adhesion to concrete surface
- Ideal as floor cover against wear and tear
- Softening point : 85 degree Celsius to 100 degree Celsius
- Penetration : 10 to 20

BITUMEN 115/15

Complying the international quality standards, our extensive range of bitumen 115/15 is an excellent waterproofing material, used in diverse areas. Being a quality conscious organization, we use only finest quality materials for formulating this bitumen 115/15. We offer this bitumen 115/15 in bulk quantities and appropriate packaging. These bitumen 115/15 are used as:

- Adhesive
- Protective coating
- Bonding agent
- Electric insulator & structures below ground.

Features

- Use of quality proved chemicals
- Highest physically stability
- No exudation or bleeding
- Atmospheric corrosion proof

Uses

Damp Proofing and Water proofing; acid alkali resistant flooring, painting of roofs and floors. In manufacturing Roofing Felts, Manufacturing of paints and primers, Roofing Compounds, coating, Road Mastic and construction Plus maintenance, Laminations industries, Canal Lining, dam lining, battery sealing Compounds, Jointing Compounds, manufacture of canalling compounds.

Application

Application of Industrial Bitumen depends upon usage. Generally solid industrial bitumen such as 85/25, 90/15, 115/15, 85/40, should be broken into lumps and heated in heating vessels. Temperature of material should be checked through thermometer, to prevent overheating of a material. For high viscous industrial bitumen such as 30/40 or 20/30 is used for mastic of Roads which gives a strong adhesion to roads.

Packing

Industrial Bitumen such as grade 90/15, 115/15 are packed in 25kgs. HDPE Bags and 160/165 kgs. Steel Drums. All other grades are packed in MS Drums. Test reports and technical data of different grades of Industrial bitumen can be obtained

Paving Bitumen

BITUMEN VG - 30

We present our exclusive range of precisely formulated bitumen VG-30, which are known amidst our clients for their accurate chemical composition and high water proofing capabilities. We are an ISO certified company and therefore these bitumen VG-30 are highly reliable amidst our clients.

BITUMEN VG - 40 :

SSI Bitumen VG-40 can be used in various asphalt mix designs and techniques which result in the manufacture of cohesive asphalt mixes suitable for any type of traffic. It increases the stability of the asphalt mix at any temperature and enhances long lasting surface characteristics and Product conform as per IS 73:2013 Paving Bitumen.

Modified Bitumen

CRMB (Crumb Rubber Modified Bitumen)

CRMB is a blend of selected grades of bitumen and crumb rubber modifier. The modifier restores the required visco-elastic balance of the Bitumen binder, which improves binder resistance to any form of permanent deformation while maintaining high resistance to fatigue, thermal and low temperature cracking. When using CRMB, the maintenance free life of pavement will increase one and half to two times as compared to roads built using unmodified neat bitumen binders. CRMB has good adhesion to different types of aggregates which therefore reduce, rutting, cracking, deformations, etc. CRMB meets the performance- based specification of IRC: SP 53-2010 & IS-15642-2004.

Advantages

- Excellent Resistance to Thermal and low temperature cracking.
- Superior resistance to any form of permanent deformation.
- Better adhesion between aggregate and binder.
- Overall improved performance in extreme climatic conditions.
- Higher fatigue life of mixes.
- Highly flexible and stability
- Cost effective.

PMB (Polymer Modified Bitumen)

This invention relates to the process for the preparation of a polymer and rubber based modified binder which is useful for the construction of roads catering to heavy traffic and also for the formation of airfields and surfacings, besides its use as binder for stress absorbing membrane (SAM) and stress absorbing membrane interlayer (SAMI) for sealing of cracks, preventive maintenance of flexible pavement and delaying reflective cracking. Modified Bitumen performs better than ordinary Bitumen in high fall area and in situation where the aggregates are prone to stripping.

Advantages

- Improves resistance to cracking resulting in stronger and more durable overlays even in extreme climatic conditions.
- Reduces deformation on the roads even at temperatures of (50-70 degree C).
- Polymer and Rubber based modifier binder extend life of pavement by 50-70% compared to conventional bitumen.
- PMB act as multigrade bitumen are economical when life cycle cost is taken into consideration.

SSI COLD MIX BOND – FOR POT HOLE REPAIR.

SSI BRAND RAPID CURING CUT BACK BITUMEN FOR ROAD WORKS RC-3

Our RC - 3 is a rapid curing cold cut back Bitumen of high viscosity ideal for use in Road Work as wearing course and for patch repairing . It is also used for roller compacted road mix . A non heating cut back Bitumen which ideally suitable for use in hilly tracks and also used for seal coat for non-sticky surface over the already laid pavements .

The aggregate will be of crushed fragments of 7 to 40 mm size

PREPARATION OF SURFACE

To produce a tight bond of surface , the existing pot holes and ruts are to be repaired duly removing the loose and excess other materials that are gathered and should be replaced with suitable patching material. The road should be leveled duly avoiding all the bumps and waves on the surface and should be clearly swept to remove all loose and other materials before applying RC-3 solution .

METHOD OF APPLICATION

Before applying RC - 3 , it is recommended to use a Bitumen based primer for effective bonding . If the weather is chill and cold , it is essential that RC - 3 should be slightly warmed or the aggregates to which this RC-3 is going to be mixed should be slightly heated so that the moisture content may be removed before mixing . Care should be taken while warming up RC-3.

SSI ROAD BOND

SSI ROAD BOND is a revolutionary product based on cold mix technology specially designed to solve the problem of Potholes with fast and hassle free technique. It is a blend of carefully selected high quality aggregates and specially designed Bitument Emulsion manufactured "State of Art" Plant under carefully controlled conditions

Applications

SSI ROAD BOND is used for the instant repair and maintenance work such as

- Pothole
- Edge deformation
- Trench work
- Utility Cuts

Advantages

- Bonds well too cool, damp surfaces
- Low temperature cure
- Minimal preparation time for surface repair
- Resistance to deformation, bleeding and cracking
- No heating required
- Stable patch formation
- Environment friendly
- Saves time
- Minimum man power
- Ease of application
- Skid resistant

Packing

SSI ROAD BOND is available in 25kg waterproof bags

Silver - Bitumen based Aluminium Paint

SSI Brand Silver-Bitumen based Aluminium Paint.

It is manufactured out of special grade of Bitumen with selective graded solvents and with superior Aluminium paste

- a. This plant is specially recommended to use as a protective coat for timber, steel, iron and in civil works.
- b. Over Bituminous waterproofing felts as a protector and to give a silver lining finish which will act to an extent as sun's heat radiant.
- c. Also ideally suited for painting the electrical transformer yards, steel structures, truss etc. While the Bitumen Base will take care against Rust I Corrosion, the silver Finish will give a majestic appearance.

METHOD OF APPLICATION

- a. No necessity for undercoat or primer.
- b. This can be applied over already painted surfaces without scrapping subject to the painted surface being not cracked.
- c. Application can be done either by spraying process or by brushing.

COVERING CAPACITY

- a. 10 to 15M² per ltr on painted surface of timber or metal.
- b. 8 to 12M² per ltr over Bituminous surface.
- c. 8 to 10M² per ltr over concrete, brick lining and masonry surface.

PACKING

Available in 20 ltrs drums.

Bitumen Based Anti-Corrosive Paint

SSI Paint is a specially formulated anti-corrosive, tasteless, odourless, nontoxic and black bituminous coating for protecting the internal surface of storage water tanks, pipes, etc. from corrosion. It conforms to IS: 9862/1981 as well IS: 158/1981.

Application

SSI Paint provides corrosion protection coating to all types of iron, steel including drums, and masonry or concrete surfaces for fixing glass panels on building elevation.

It being non-toxic / odourless, is suitable for coating insides of masonry / steel water tanks.

Advantages

- It is easily applicable by brush/spray gun. It dries rapidly leaving black glossy finish.
- The resultant film is tough and elastic and does not crack easily due to structural movements.
- It is resistant to diluted acids and alkalis.
- It is non-toxic and does not impart odour or taste to water or other contents in contact.

PACKING

Available in 20 ltrs drums.

Sealing Compound

SSI Brand Sealing Compound to IS 1834 - A

This is to pour sealing compound with a working temperature from - 180°C and a density of 1000 kg / cubic metre.

By providing this sealing compound to the depth of minimum 1/4" the mastic pads are protected from contacts of water or oil or any other foreign material which might damage the effective functioning of Mastic Fillers.

The sealing compound will give good adhesion towards concrete and will have the ability to withstand extension without cracking.

When melted, it gives easy flow. It is durable and plastic and at the same time offer resistance to ingress of liquid foreign matter.

Sealing compound required per 100 metres running joint in kg per 25 mm depth of various thickness

| | |
|-----------------|-------|
| 12 mm thickness | 40kgs |
| 18 mm thickness | 60kgs |
| 25 mm thickness | 85kgs |

Availllble In 20kgs/200 kgs drums/barrels. Wastage @5% to be added.

WATER PROOFING MEMBRANE PRODUCTS

- APP Modified Water Proofing Membrane
- SBS Modified Water Proofing Membrane
- Solvent based Primer
- Self adhesive SBS Membrane
- Aluminum Self Adhesive Bitumen Tape
- Butyle Rubber Adhesive Tape
- Coal Tar Epoxy Primer
- Epoxy Zinc Rich Primer
- Super Silver Paint Special
- Super Silver Paint Normal
- Bitu Bond

Polymeric Waterproofing Membranes have at their heart, APP or SBS modified Bitumen, to impart characteristics of high softening point and high penetration and resistance to ageing. From a solid and brittle material at room temperature the modification process transforms Bitumen to a waxy semi-solid, which makes it ideal for waterproofing. This Bitumen is calendared between layers of various reinforcements such as Polyester, Fiberglass and Polyethylene, to produce ideal waterproofers. Polymeric membranes are available in Plain, Mineral Granule or Aluminium Foil finishes.

Tar based Pipe coating tapes are manufactured from high, special grades of tar that are calendared along with high strength carriers. Tar has tremendous resistance to aging and has incredible mechanical properties which makes such tapes an excellent anti corrosive treatment for MS Pipe lines and other structures. Polymeric Pipe coating tapes are manufactures using Polymeric mix that is calendared between various tapes of high strength. The resulting tapes have excellent flexibility and elasticity to provide long lasting and effective protection from corrosion. Polymeric tapes conforms to Codes IS 10221 and AWWA C 203

Pipe Kote "Hot Applied"Coal Tar Tape

Description

Pipe Kote Coal Tar Tape, It is a hot applied coal tar tape for UG pipelines. It is manufactured as per AWWA-C-203 , IS 15337 & IS 10221 specification with special plasticized coal tar enamel, sandwiching tough fiber glass fabric with thermo HMHDPE film on both side, which provides high anticorrosive protection to the pipe lines.

Use

"Pipe Kote Coal Tar Tape" is used to protect UG or submerged metal surface from corrosion & electrolysis, in oil, gas, water, sewage, fire hydrant, Pipe line & joints, fitting, couplings, UG tanks, structures.

Pipe Kote Hot Applied Bitumen Tape

Description

"Pipe Kote Hot Applied Bitumen Tape" is a hot applied bituminous tape for UG pipelines, it is manufactured as per AWWA-C-203 & IS 10221-82 specification with special formulated bitumen compound, sandwiching tough fiber glass fabric with thermo HMHDPE film on both side, which provides high tensile softening point, high penetration & high anticorrosive protection to the pipe lines.

Use

"Pipe Kote Hot Applied Bitumen Tape" is used to protect UG or submerged metal surface from corrosion & electrolysis, in oil, gas, water, sewage, fire hydrant, pipe line & joints, fitting, couplings, UG tanks, structures.

MANUFACTURING

We have the manufacturing facility in Kadamalaiputhur, 90 km from Chennai. The factory is equipped with Semi Automatic, Latest technology equipments. It also has the most Ultra Modern Laboratory equipped with quality equipments for quality control and product development. To be install latest technology plant for the production of crmb and pmb products.

QUALITY MANAGEMENT

SSI is will be an ISI Certified company with short period and also have been certified as ISO 9001 : 2015 for the quality process.

RESEARCH & DEVELOPMENT

We have a dedicated team to develop new products, upgrade the existing products and develop new applications based on the feedback from the customers about their requirements.

PRODUCTION, TESTING FACILITY & DETAILS SET UP OF OUR COMPANY

- SSI is in production of road construction material by fully automatic advanced machinery with new technology (USA Based Colloid Mill).
- SSI has technical supporting with M/s. AKZONOBEL, France, we are using imported Emulsifier.
- SSI has automatic finished product packing system and also easy ways dispatch through proper system.
- SSI plant is manned by highly qualified and experienced technical personnel to produce high quality material.
- SSI is following and using safety measures & procedure for handling material.
- SSI has well maintained infrastructure of production facility & welfare facility for employee and labors.

SSI have following facility as

- Fully Automatic Imported Production Plant.
- Well Equipped Laboratory with modern Instrument.
- Transportation of delivery material Easy Ways dispatch.
- Accounts Department.
- Raw Material Storage Building.
- Labour Quarters.
- Storage Tanks.

CUSTOMER SERVICES

We also fully recognized the importance of ensuring full compliance with all the relevant legislation for the protection of environment and all due care taken for the same.

We assure best services and quality for our products. For any technical help, feel free to contact us.

**For, S.S.INDUSTRIES.
G.RAMESH**





GET IN TOUCH

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