

ATTENTION

BITULINK IS AT WORK



BITUMEN EMULSION



Plant & Technology:

With state of art facilities and resources, Bitulink in installed machinery of ENH Engineering, Denmark has established its Emulsion plant near Belgaum for producing world-class grades of Bitumen Emulsion, Polymer Modified Bitumen (PMB) and Crumb Rubber Modified Bitumen (CRMB).

Our industrial set up possesses an in-house fleet of Bitumen Tankers for logistic management of Bitumen from refineries to industrial sites.



Bitulink is associated with ENH Engineering A/S, Denmark to avail highly technically sound, dynamic, robust and world-class superior equipments for plant functioning and maintenance. ENH Engineering A/S Denmark is recognized as an International leader and producer of a fully automatic PLC based plant.

With a well set Infrastructural arena and technical equipments, Bitulink produces all grades of Bitumen Emulsion, Polymer Modified Bitumen and Crumb Rubber Modified Bitumen in different road construction applications.



Bitulink follows an "In-Line System. An "In-Line System" is a smart concept wherein the product does not require a separate premixing process of water solutions, polymer and chemicals. Instead, it automatically adds these requisites during the production process. Facilitating higher levels of flexibility, the system ensures ease in injecting these ingredients in the milling system individually. With advanced and highly technological control systems in our plants, we guarantee ease in producing homogeneous material continuously.



Manufactured by

**BITULINK
PVT. LTD.**

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Mktg. offices

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Your area dealer



Bitulink Private Limited is the leading Bitumen Emulsion supplier over a decade. We are specialized in the field of Bitumen Emulsion such as Emulsion CRS I, CRS II, CSS I and Cut Back Bitumen. Our production capacity exceeds 60 Metric Tons of decanted bitumen 60 Metric Tons of emulsion per day.

Bitumen Emulsion is regarded as the key manufacturing agent for Road Construction. It acts as a binding agent right in the midst of two different bituminous layers for road building. Ensuring a long, durable and robust impact, the roads become capable of sustaining for a longer duration.

Products:

- Bitumen VG30 (60/70)
- VG10 (80/100)
- Emulsion
- SS1, SS2
- RS-I, RS-II
- Cutback MC030
- Prime Emulsion

Applications:

1. Road development, construction, and maintenance.
2. Dressing up road surfaces.
3. Applied as prime and tack coating.
4. Mixing aggregate for road construction.
5. Other applications namely, crack seal, fog seal, pothole repairing, seal coating, etc.

Rapid Setting Emulsion (RS1)

Specially designed and manufactured with free-flowing in atmospheric temperature, low viscosity and fast setting time. Bitulink Emulsion RS1 is manufactured as per standard IS 8887:2004

Applications:

Bitulink Emulsion RS1 best suited for tack coat application on bituminous surfaces, old bituminous surfaces non-bituminous surfaces and primed surfaces.

Advantages:

1. Easy to spray & free flowing.
2. Penetrate cracks & crevices and impart strength to the layers
3. Excellent penetration into miniature pores of sub-bases
4. No heating required. Low-temperature curing.
5. High adhesive properties
6. Fast setting time
7. Prevents slippages of structural layers.
8. Energy efficient & environment-friendly

Sr. No.	Properties	RS1
1.	Viscosity @48°C (SSU)	20-100
2.	Average setting time (min)	15 approx
3.	Residue on 600 micron is sieve (%max)	0.05
4.	Storage stability after 24 hours (%)	Less than 2
5.	Binder residue by evaporation (% min)	60

Recommended rate of application:

Sr. No.	Surface Type	10 m 2 area (approx)
1.	Bitumen surface	2 to 2.5 Kg
2.	Aged bitumen surface	2.5 to 3 Kg
3.	Primed surface	2.5 to 3 Kg
4.	Non-bituminous surface	3.5 to 4 Kg
5.	Cement concrete pavement	3 to 3.5 Kg

Slow Setting Emulsion (SS1)

Bitulink Slow Setting Emulsion specially manufactured water-based emulsion as per IS 8887: 2004 & ASTM D 244-89

Applications:

Bitulink Slow Setting Emulsion SS1 is ideally suited for prime coat, fog seal, crack seal, slurry seal & premix seal coat.

Advantages:

1. Low viscosity free flowing.
2. Extended setting time.
3. Bind loose aggregates together strongly.
4. Easy to spray.
5. Bonds well.
6. Ideal for high porous surface and road maintenance applications.

Sr. No.	Properties	SS1
1.	Viscosity by sabolt @250c	20-100
2.	Storage stability after 24 hours (%max)	1 approx
3.	Particle charge	Positive
4.	Miscibility with Water	No coagulation
5.	Residue (%min)	57

Packing:
Emulsion Supplied in tank trucks- bulk. MS drums of 200 kg

Bitulink Cold Mix:

1. Cold mix is a bituminous mixture containing mineral aggregate, water and binder (custom designed cationic Bitulink made bitumen emulsion) prepared in a suitable device like a concrete mixer or cold mix plant or a modified hot mix plant.

2. Cold Mix Technology is cost effective as well as environment-friendly but also construction work can proceed in all seasons and even with wet aggregates.

3. The biggest advantage of the technology is that it saves on an average of approximately 1500L of precious fossil fuel per kilometer of road construction.

4. Cold mix pavement can provide energy savings of over 50% compared with hot mix. So it can be considered as a green technology for infrastructure Projects. The cold mix is gaining considerable popularity in road projects.

5. Bitulink Cold Mix is specially designed water-based bitumen emulsion with moderate viscosity and optimized setting time for mixing stability with a wide variety of graded aggregate. Bitulink Cold Mix grade is formulated to mix properly with open-graded as well as dense graded aggregate.

6. Bitulink Cold Mix is recommended for premix carpeting as well as premix seal coat applications due to its high binder content and moderate viscosity and is manufactured strictly as per IS 8887: 2004. Bitulink Cold mix is in chocolate brown in colour and is a free-flowing liquid at ambient temperature.

