LIQUIBIT® - SS 1

OIL BASED SLOW SETTING EMULSION

IWL

PRODUCT DESCRIPTION

Liquibit Slow Setting 1 is an oil based Bitumen Emulsion with low viscosity and extended setting time. It's stability with cement makes it ideal for Prime Coat application. The liquid is designed to react slowly with aggregate and penetrate into miniature pores of sub-base. Liquibit SS1 strictly conforms to IS 8887:2018.

USES

- Prime Coat
- Wet Mix Macadam (WMM) / Water Bound Macadam(WBM) surfaces.
- Soil stabilization
- Cold Recycling

ADVANTAGES

- Easy to apply
- Superior Penetration (Minimum 10 mm)
- Compatible with Cement
- SS1 cures at cooler temperatures enabling the binder to penetrate into sub base.
- Fills the capillary voids preventing underground water ingress.
- Non-Flammable
- Imparts Structural Strength

APPLICATION PROCEDURE

Surface Preparation

Surface preparation is the most important step before application of the Emulsion. Prior to the application of bituminous material, all loose dirt and other objectionable material shall be removed from the surface with a power brush.

Application Guidelines

Liquibit SS1 is generally used on WMM/WBM surfaces as a Prime Coat. If the liquid is procured in barrels, each barrel must be laid on its side and rolled gently, to and fro, to agitate the liquid and counter any minor settlement that may have occurred during storage. If the liquid has been stored in bulk, it may be gently agitated through circulation, prior to application. The Emulsion should be applied at ambient temperatures without dilution.

COVERAGE

Recommended rate of application is 6 to 15 Kg per 10 m^2 area.

PACKAGING

200 kg barrel or as bulk.

STORAGE

Liquibit SS 1 is preferred to be stored in Vertical bulk tanks to minimise the surface area of the liquid. Do not allow the bituminous emulsion to either freeze or boil. Storage temperature should not be allowed to fall below 10°C or exceed 85°C (except for some special emulsions that may be heated as high as 90°C under strictly controlled conditions).

SAFETY PRECAUTIONS

Wear all necessary safety goggles, gloves, shoes, etc. while handling emulsion. In case of any splashes on the skin or eyes, seek medical attention immediately.

TECHNICAL SPECIFICATIONS

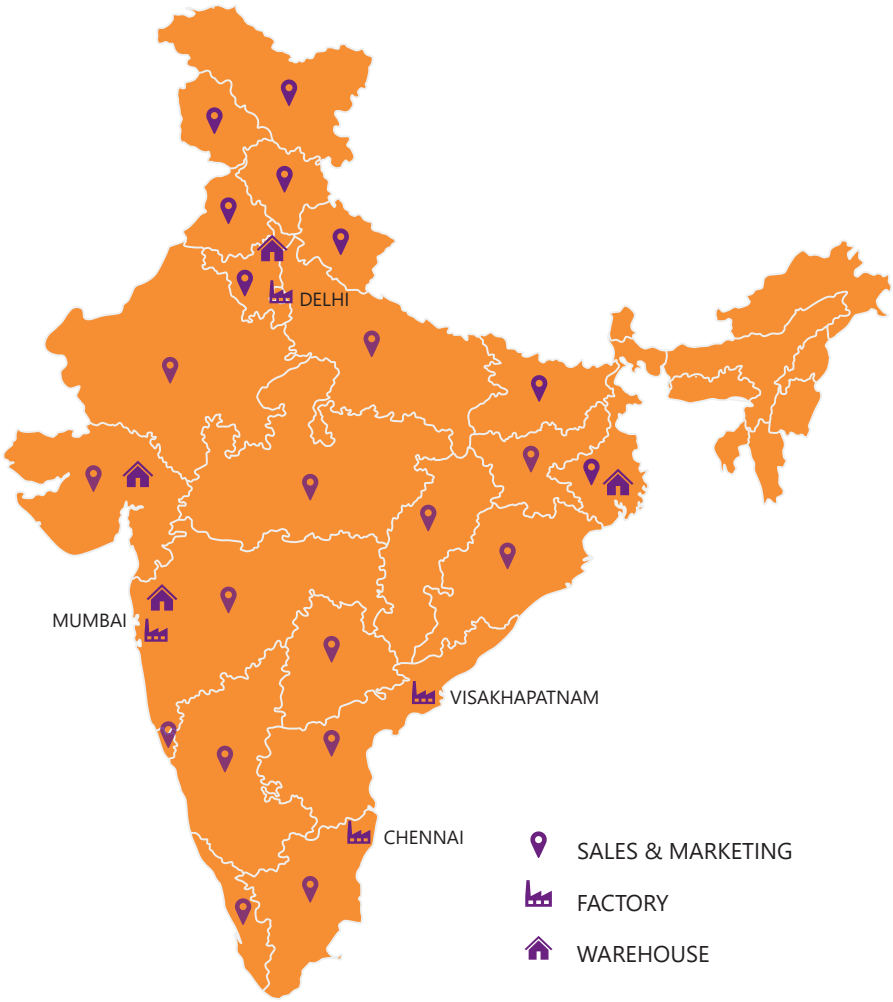
Properties	Test Method	Unit	SS 1
Residue on 600 micron IS sieve, Max	IS 8887:2018	%	0.05
Viscosity by Saybolt Furol Viscometer, @25°C, seconds:	IS 3117	Seconds	20 - 100
Coagulation at low temperature	IS 8887:2018	-	NIL
Storage Stability after 24 hrs, Max	IS 8887:2018	%	2
Miscibility with water	IS 8887:2018	-	Immiscible
Test on residue:			
▪ Residue by evaporation, Min	IS 8887:2018	%	50
▪ Solubility in trichloroethylene, percent by mass, Min	IS 1216	%	98
Water Content, percent by Mass, Max	IS 1211	%	20

WHO WE ARE

Founded in 1988, IWL India Private Limited is a well established manufacturing industry with multiple manufacturing facilities, warehouses and sales teams across India. This facilitates timely supply of high quality materials for the civil, road construction and pipeline industries. IWL also exports its products to several international customers.

In addition, IWL's well equipped R&D facilities can tailor make products to cater to specific needs of critical projects such as Metros, Nuclear Power Plants, Airports, Pipelines, etc. We are proud to contribute to the development of India's infrastructure and participate in its journey to becoming a developed country.

OUR LOCATIONS



IWL INDIA PRIVATE LIMITED
W-360, North Main Road, Anna Nagar
West Extension, Chennai - 600 101
+91 44 2615 6000
iwl@iwl.in
www.iwl.in

ISO 9001 : 2015 Certified Company