

## SUPER MULSION HI-BOND

(CATIONIC EMULSION BASED COLD MIX BINDER FOR  
CONSTRUCTION AND MAINTENANCE OF ROAD)

### PRODUCT DESCRIPTION

**SUPER MULSION HI-BOND** (PC 1186) is a specially designed emulsion based cold mix binder with low to moderate viscosity and having slow and medium setting characteristics suitable for Cold Mix carpeting, Seal Coat, Pothole and Patch filling. **SUPER MULSION HI-BOND** (PC 1186) can be use for construction and maintenance of roads in all weather condition. This binder gives good results with clean and medium dusty aggregates and is used for pre-mixing and laying in-place at job site.



### REQUIREMENTS OF SUPER MULSION HI-BOND:

REQUIREMENTS	SPECIFICATION
Residue on 600 micron IS Sieve, % by mass, max.	0.05
Viscosity at 25°C, by say bolt viscometer, sec	30-150
Storage stability, 24 h, max.	2
Coagulation at low temperature	Nil
Particle Charge	Positive
Miscibility with water	No Coagulation
Tests on residue:	
1) Residue by Evaporation, %, min.	60
2) Penetration, 25 °C, 100g, 5 sec	60-120
3) Ductility, 27 °C, cm, min.	50
4) Solubility in Trichloroethylene, %, min.	98

### QUANTITY OF BINDER FOR DIFFERENT APPLICATIONS:

APPLICATION	QUANTITY (Kg/10m <sup>2</sup> )
Open Graded Premix Carpeting	20.0 to 23.0
Seal Coat	
• Premix Seal Coat	10.0 to 12.0
• Liquid Seal Coat	12.0 to 14.0
• Sand seal coat	7.0 to 12.5
Pothole and Patch Filling	6.0 to 7.0 % by weight of aggregate

### QUANTITY OF AGGREGATE FOR DIFFERENT APPLICATIONS:

APPLICATION	QUANTITY (Kg/10m <sup>2</sup> )
Open Graded Premix Carpeting: • 13.2 mm size & 11.2 mm size (2:1)	0.27 m <sup>3</sup>
Seal Coat	
• Premix Seal Coat (Type-B)	0.06 m <sup>3</sup>
• Premix Seal Coat (Type-C)	0.09 m <sup>3</sup>
• Liquid Seal Coat	0.09 m <sup>3</sup>
• Sand seal coat	0.06 m <sup>3</sup>
Pothole and Patch Filling	-

## GRADATION OF AGGREGATE:

APPLICATION	GRADATION	
Open Graded Premix Carpeting: • 13.2 mm • 11.2 mm	Passing 22.4 mm sieve and retained on 11.2 mm sieve Passing 13.2 mm sieve and retained on 5.6 mm sieve	
Seal Coat • Premix Seal Coat (Type-B) • Premix Seal Coat (Type-C) • Liquid Seal Coat • Sand seal coat	Passing 2.36 mm sieve and retained on 180 micron sieve Passing 9.5 mm sieve and retained on 2.36 mm sieve Passing 6.3 mm sieve River sand	
Pothole and Patch Filling	Sieve Size	% passing
	9.5	100
	4.75	40-100
	2.36	10-40
	1.18	0-10
	0.075	0-2

## HANDLING INFORMATION

- Do not dilute SUPER MULSION HI-BOND with any solvent
- Roll the drums 5 times before use
- Use at ambient temperature

## HEALTH AND SAFETY:

- The product contains emulsifiers of amine type. Long or repeated contact can cause skin or eye irritation.
- Use hand gloves, safety goggles and boots during handling.
- Inhalation may cause irritation in respiratory system. Remove to fresh air. If irritation persists get medical attention.
- Eye contact may cause irritation and burning. Immediately rinse with water for several minutes.
- Ingestion may cause nausea, vomiting and abdominal pain. Do not induce vomiting. Do not give anything by mouth. Take the injured to hospital if serious coughing or vomiting has occurred.

## PACKAGING

- Available in 200 kg barrel
- Bulk

### We also manufacture the following type of Emulsions and modified Bitumen for Roads and Highways:

Bitumen Emulsion of all Grades, Natural Rubber Modified Bitumen (NRMB), Crumb Rubber Modified Bitumen (CRMB), Polymer Modified Bitumen (PMB), Polymer Modified Bitumen (EVA), Polymer Modified Bitumen (SBR)

The technical data provided here is the average result of the tests carried out in our in-house **SUPREME BITUCHEM** laboratory on SUPER MULSION HI-BOND. **SUPREME BITUCHEM** reserves the right to change or modify the data without prior notice. All reasonable care has been taken in compiling the data that to the best of knowledge is accurate and true. All recommendations are made in good faith. We can accept no responsibility and no warranty is implied with regard to any of the recommendations made in the technical data sheet, since the conditions of actual use and the labour involved are beyond our control. As the information herein is of a general nature, no assumption can be made as to a product's suitability for a particular use or application and no warranty as to its accuracy, reliability or completeness either expressed or implied is given other than those required by law. The user is responsible for checking the suitability of products for their intended use.

## Our Products & Services

- ▶ APP & SBS Specialized Waterproofing Membranes
- ▶ Specialized Products for Highways & Road Surfacing
- ▶ PU Bituminous Waterproofing Liquid Membrane
- ▶ Anticorrosive Coating and Tapes
- ▶ Construction Chemicals and Building Materials
- ▶ Specialized Civil & Waterproofing Contracts
- ▶ Admixtures, Sealants and Grouts
- ▶ Thermal Insulation Products
- ▶ Complete Range of Bituminous Products

### REGD. OFFICE :

**SUPREME BITUCHEM INDIA PVT. LTD.**  
Block No. 13/14, Sevasadan Square, Central Avenue,  
Nagpur - 440018  
Ph : 0712-2777833, Mob : +91 7875000100  
Email : customercare@supremebituchem.com  
: marketing@supremebituchem.com

### CORP OFFICE:

Aurora Towers, Off. No. 401, 4th Floor, West Wing,  
9 Moledina Road, Near M.G. Road, Pune - 411001.  
**Mob.** : +91 9423685761  
**Email** : punetso@supremestartech.com

### WORKS :

Plot No. C-240/1, Butibori Industrial Area,  
Nagpur-22  
Email : info@supremebituchem.com

## BRANCHES AND DEPOT :

I Andhra Pradesh : 09168 652 032  
I Pune : 07755 982 690  
I Bihar : 07875 588 559  
I Delhi : 07767 965 007

I Gujarat : 07875 577 112  
I Karnataka : 09168 652 032  
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