

ShaliMastic® HD / LC

High / Low Build Anti-Corrosive Coal Tar Based Coating



Description

ShaliMastic® HD / LC is an anti-corrosive, heavy duty thermoplastic high / low build coating based on specially processed coal tar pitch.

ShaliMastic® HD conforms generally to the American Bureau of Reclamations specification "Cold Applied Coal Tar Compound CA 50.

ShaliMastic® LC conforms to IS: 290.

Characteristics

	ShaliMastic® HD	ShaliMastic® LC
Colour	Black	Black
Consistency	Uniform, thixotropic mass, applicable by brush	Uniform, thixotropic liquid applicable by brush
Drying Time, hrs		
• Touch Dry	6	3
• Thorough Dry	24	12
Flash Point, °C	65	65
Theoretical Coverage, m ² / L		
• On metal surface	3	10
• On concrete surface	2	8
DFT / coat, Micron	200 - 250	40 – 60
Specific Gravity	1.30	1.14

Application

Cold applied liquid protective coating for

- Underground metal storage tanks for diesel, petrol and other liquid / gas.
- Other buried / submerged surface or equipment.
- Interior / exterior surfaces of metal or concrete tanks, culverts, steel / wood pilings, filter screens, sluice gates, tank bases, trestles etc.
- Interior / exterior of barges and under-water structures.

Advantages

- Not affected by marine organisms, soil chemicals and soil bacteria.
- Highly resistant to corrosion due to sea water / alkalis / acid.
- Retains its pliability over a wide range of temperatures.
- Provides an abrasion resistant tough coat.
- Provides a void-less, joint-less continuous film capable of taking expansions and contractions without cracking.
- Acts as an excellent water-resistant coating even under severe corrosive conditions.

Application Methodology

➤ Surface Preparation

- Prepare the base metal by mechanical grinding or other suitable method.
- Remove dust, flakes, oil, grease or other loose foreign particles by sand blasting, iron brush or compressed air.

- Ensure the ambient temperature is not less than 10 °C and not more than 50 °C at the time of coating.

➤ **Material Preparation**

- Stir drums thoroughly to obtain a homogenous and uniform mix a high speed mixture (approx. 150 - 200 rpm) fitted with a suitable mixing paddle.
- Ensure that there is no entrapped air.
- Place the spiral blade at the bottom of the container before starting the mixer. This will help avoiding inducting air into the mass. Slowly move the stirrer head up to the surface while stirring. Do not remove the blade while still it is spinning. This procedure is continued for 5 minutes up and down to have a homogeneous mixing.
- Allow **ShaliMastic® HD / LC** to settle for 10 minutes.

➤ **Application of Material**

- Prime surface with ShaliPrime PW CT.
- Allow minimum 4 hrs to hard dry the primer.
- Apply **ShaliMastic® HD / LC** on the prepared surface by brush / metal plate (Patra).
- For metal and concrete surface, STP recommend minimum 3 and 2 coats respectively.

Limitation

Do not apply **ShaliProtek® CT 200** over shop-coating, like red oxide coating etc.

Health & Safety

- Avoid contact with skin / eyes and avoid swallowing.
- Ensure adequate ventilation and avoid inhalation of vapour.
- Wear suitable protective clothing, gloves and eye protection.
- In case of skin contact, rinse with plenty of clean water, then cleanse with soap and water. Do not use solvent to clean the contacted area.
- In case of eye contact, wash with plenty of clean water and seek medical advice.
- If swallowed, seek medical attention immediately. Do not induce vomiting.

Packing

Available in 20 L & 200 L drum.

Storage

Keep in cool and dry place, under shed, away from heat. Keep lid of container closed tightly when not in use.

Shelf Life

12 Months in unopened sealed condition.