

ShaliProtek® HR BT 300

Heat Resistant Bituminous UIC Protective Coating Emulsion



STP Limited

Description

ShaliProtek® HR BT 300 (formerly known as ShaliProtek HR BT 260) is an asphalt based, cold applied emulsion for coating Internal Casing Surfaces of Furnace / Boilers Firebrick linings as well as Under Insulation Corrosion Protection for air conditioning pipelines. This can develop a coating thickness of 6 mm in two coats without sagging.

ShaliProtek® HR BT 300 remains plastic in order to accommodate thermal expansion / contraction of pipes or vessels, whose thermal insulation it protects.

ShaliProtek® HR BT 300 can be used at elevated temperature up to 300°C.

ShaliProtek® HR BT 300 has excellent vapour barrier properties and resists UIC (under insulation corrosion).

Characteristics

Colour	Brown to Chocolate	Consistency	Pasty / Creamy
Finish	Matt	Flash Point, °C	> 200
Volatile content, %, 40 by weight		Application	By brush / Trowel
Volume Solid, %	> 50	Drying Time, hrs.	
Application Temperature, °C	4 to 48	• Touch Dry	4
Service Temperature, °C	300	• Hard Dry	48
Theoretical coverage*, kg / m ² , 1 mm DFT	2.6	Dry heat resistance,	300
		Specific gravity	1.30 ± 0.1

* Depending upon surface condition.

Application

- Internal Casing Surfaces of Furnace & Chimney.
- External surface of MS pipes over rock wool before aluminium cladding for under insulation corrosion as well as vapour barrier.

Advantages

- Protects inner vessel casings from corrosive chemical thus avoiding deterioration.
- Excellent moisture barriers.
- High temperature resistance.
- Retains thermal efficiency during all weather conditions.
- Effective insulation material.
- Solvent free and hence eco-friendly and non-toxic.
- Effective Under Insulation Corrosion Resistance.

Application Methodology

➤ Surface Preparation

- Remove all loose gravel, dirt, oil, grease and foreign matter by jet of dry air and clean the surface mechanically or by grinding to make it smooth before application.

➤ Material Preparation

- Stir **ShaliProtek® HR BT 300** by a slow speed mixture fitted with a suitable mixing paddle to ensure a homogenous mix.
- After stirring, wait for the product to settle in order to let entrapped air escape.

➤ Application of Material

- For priming the prepared surface, dilute **ShaliProtek® HR BT 300** from its pasty consistency to that of light consistency by adding water in the ratio of 1:1.
- Allow it to dry.
- Apply first coat of **ShaliProtek® HR BT 300** when the primed surface is dry and wait for coating to change black from its original brown colour.
- Allow it to dry for 24 hrs.
- Apply second coat.
- Sprinkle sand @ 200 gm / m² over the final coating when the surface is still tacky.

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

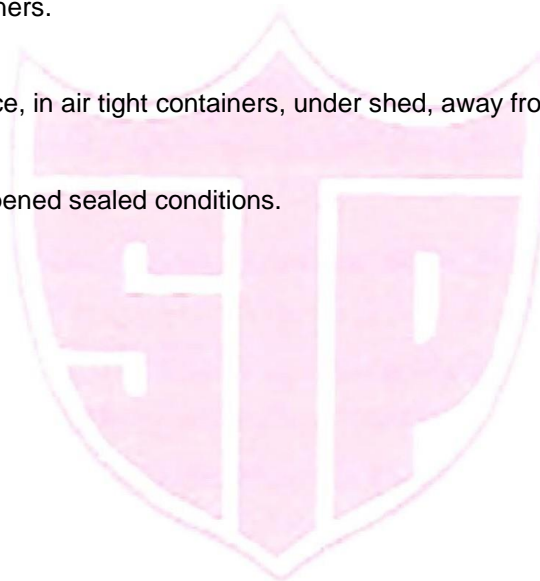
Available in 20 kg containers.

Storage

Keep in cool and dry place, in air tight containers, under shed, away from heat.

Shelf Life

6 months in original unopened sealed conditions.



STP Limited
Enhancing Structures' Life

Product Range

- Waterproofing and Insulation ■ Road Surfacing
- Sealants and Additives ■ Pipeline Coating
- Protective / Anti-Corrosive Coating ■ Epoxy Flooring
- Grouts / Admixtures ■ RestoFix- Repair / Rehabilitation
- Other Construction Chemicals



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