ShaliSeal® RS TC

Waterproof UV Resistant Sealer Coat for Road Surface

STP Limited

Description

ShaliSeal® RS TC is Polymer Modified Waterproof UV Resistant Sealer Coat for Roads - both flexible and concrete, which prevents ingress of water and thereby enhances life of the road. A coat of **ShaliSeal® RS TC** every three years ensures pot hole free road, eliminates need of relaying, and adds to joy of driving. Also, material saved from avoidable relaying could be used to lay new roads which will facilitate faster connectivity. **ShaliSeal® RS TC** is economical, user friendly and causes least inconvenience to road users.

Ideally, apply **ShaliSeal® RS TC** after 30 days of laying of the new surface and can also be appliedon old roads. It can fill cracks up to 1 mm.

Characteristics

State	Emulsion, Slurry	Specific Gravity @ 25° C, min.	1.1
Appearance • Wet • After Dry	Brown Black	Drying Time @ 30° C RH 60%, max • Touch Dry, hrs., minimum • Setting, hrs., maximum	 1 4
Theoretical Coverage*, kg / m², 2 coats	1		
Skid resistance with sand sprinkle, PTV • Dry • Wet	 105 103	Solid content, %, minimum	40
		Skid resistance, PTV • Dry • Wet	 98 93

***depending upon surface condition**

Application

- Internal roads of residential complex / housing society, refineries, power plants, manufacturing industries, etc.
- Expressway, Highway, Parking Lots, driveways.
- Gasoline stations, service stations and truck terminals.
- Airfields, taxiways and shoulders, or anywhere that the asphalt surface is exposed to gas and oil spillage, extensive abrasion or weathering extremes.

Advantages

- Easy application with spray / squeeze. Requires no heavy machinery.
- Seal cracks up to 1 mm and small pores in roads.
- Protects asphalt aggregate surface by preventing water penetration.
- Exhibits outstanding fuel resistance.
- Can be formulated to a wear resistant coating.
- Skid resistant.

Application Methodology

➢ Surface Preparation

- Remove all loose gravel, dirt, oil, grease and foreign matter by jet of dry air.
- Ensure that
  - The surface is structurally sound. **ShaliSeal® RS TC** is a coating and cannot amend infirmities / undulations / defects in the surface.
  - In case of new concrete road, concrete is at least 28 days old.
  - Ambient temperature is not less than 10°C at the time of application.
  - There is no standing water in the area to be repaired or in the area of application.

- Cracks exceeding 1 mm must be corrected prior to application of **ShaliSeal® RS TC** by
  - In case of flexible roads, by **ShaliTex Sealing Compound**.
  - In case of concrete roads, by **ShaliPatch EC 10**.
- Fill cracks / deteriorated surface with **ShaliPatch EC 10**.

➢ Material Preparation

- Roll the drum 3 - 4 times before use for uniformity.

➢ Application of Material

- Apply first coat @ 0.50 kg / m² by airless spray / squeeze. For faster and smoother application, airless spray is preferred.
- Allow 1st coat to dry for 1 hr. (depending on weather condition).
- Apply second coat @ 0.50 kg / m² by airless spray / squeeze. For faster and smoother application, airless spray is preferred.
- Immediately sprinkle find sand (AFS70) over the wet surface uniformly @ 200 gm / m².
- Ensure final curing time of 8 hrs. before allowing traffic (depending on weather condition).
- Do coating when ambient temperature is between 10° C and 45° C and no rain is forecasted in next 24 hours.

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 contact with skin, 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 immediately with plenty of clean water and seek medical advice.
- If swallowed seek medical attention immediately. Do not induce vomiting.

Packing

Available in 20 kg & 200 kg barrel.

Storage

Store in a cool dry place, under the shed, away from heat. In case ambient temperature is below 10°C or above 45°C, cover sealed container fully with tarpaulin.

Shelf Life

12 months in original unopened sealed condition.