

ShaliSeal[®] CSS A

2K Solvent Free Acrylate Based Coloured Slurry Seal



STP Limited

Description

ShaliSeal[®] CSS A is a two component, cold applied, flexible, skid resistance, tough and durable polymeric coating for both asphalt and concrete road.

ShaliSeal[®] CSS A is available in factory pre-weighed kit and is available in different colours to meet specific purpose.

Characteristics

Application	Trowel / Squeeze	VOC contents	Nil
Hardening Time, hrs #	1.0 – 1.5	Application Temperature, °C	10 - 40
Pot Life, Min, at 30 °C	10	Hardness (Shore D)	50 - 70
Solid % by volume	100	Curing Time, days at 30 °C	1
Open to traffic time, hrs #	3 - 4	Petrol / Diesel Resistance	Excellent
Colour	Red, Blue, Green, Yellow	UV Resistance	Excellent
		Theoretical Coverage, kg / m ² , 1.2 mm DFT *	3.2

depending upon weather condition. * Depending upon surface condition.

Application

- Parking bays.
- Highway road signaling.
- Bus lanes, Cycle tracks.
- Sports venues and stadium tracks.
- Walkways / pathways.
- Aesthetic application and landscaping.
- Tunnel road.

Advantages

- Solvent / VOC free product.
- Good friction / skid resistance.
- Tough and Durable.
- Excellent UV / ageing resistance.
- Rapid cure. Can open traffic fast.
- Cold pour and ready to use. Does not require any heating.
- Excellent resistance to chemical / salt water / crude oil, acids / alkalis.
- Compatible with both concrete and bituminous pavement.

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 and completely dry.
 - In case of new concrete road, concrete is at least 28 days old and completely moisture free.
 - Surface temperature must be above dew point at the time of application.

- Ambient temperature is not less than 10 °C and not more than 40 °C at the time of application.
- There is no standing water in the area to be repaired or in the area of application.
- Fill cracks / deteriorated surface with ShaliPatch EC.

➤ **Material Preparation**

- Stir Component A in container thoroughly with high speed (300 - 400 rpm) drill mixer with a spiral type blade at the bottom of stirrer rod till all sand is homogenized properly.
- Once the Component A is homogenized, add all Component B powder (in pouch) into Component A and continue mixing for maximum 2 min using high speed stirrer.

➤ **Application of Material**

- In case of concrete surface, prime with ShaliPrime 2E.
- Mark out the surface, which has to be done, with masking tape. Immediately after application the tape should be removed.
- Apply **ShaliSeal CSS A** within 5 minutes after mixing Component B positively, by trowel / squeeze and back roll using short / medium pile roller to obtain uniform textured finish.
- Spread the material uniformly.
- Open traffic at least after 2 hrs of application.

Health & Safety

- Avoid contact with skin / eyes, and avoid swallowing.
- Ensure adequate ventilation and avoid inhalation of vapor.
- 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 contact with eyes, wash immediately with plenty of clean water and seek medical advice.
- If swallowed seek medical attention immediately. Do not induce vomiting.

Packing

10 kg pack consists of Component A (Resin) -10 kg and Component B (Hardener) - 0.1 kg.

Storage

Store in a cool dry clean place, at 5 °C - 35 °C, in original sealed condition. Avoid direct sunlight.

Shelf Life

6 months in original unopened sealed conditions.



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