

# DATA SHEET

## SSR-405T EPOXY COATING - TROWEL APPLICATION

**PRODUCT DESCRIPTION :** Blue solvent-free epoxy coating, composed of 100% solids (no shrinkage).

**FUNCTION :** Rehabilitation or protection of existing structures. Trowel application is recommended. Allows for the improvement of the structural integrity of structures and/or the extension of their service life in the face of exposure to various acid and caustic agents, as well as abrasion and corrosion.

**COMPOSITION :** Combination of component A (white epoxy resin) and component B (blue hardener), in a ratio of 3:1.

**METHOD OF USE :** Can be applied by paintbrush, roller, trowel or any other suitable method approved by Soleno Service.

**TEMPERATURE OF USE :** The temperature of the surface to be rehabilitated must be between 10°C and 48.9°C (50°F and 120°F).

**RECOMMENDED THICKNESS :** The thickness of the epoxy coating can vary from 40 to 125 mils. A "C" component can be added to the mixture to reduce subsidence and reach a layer of 200 mils. If necessary, SSR-405T epoxy coating can be applied in several coats, as long as the overlap range is respected.

**DRYING AND RECOATING TIME :** Drying time varies depending on layer thickness and weather conditions. The epoxy coating is generally dry to the touch after 3.5 hours, and completely dry after 5 hours.

Minimum recoating time : As soon as the surface becomes sticky, but does not transfer to touch, from 3 to 5 hours.

Maximum recoating time : 12 hours at a substrate temperature of 22.2°C (72°F). This interval is reduced at higher temperatures.

**TEMPERATURE RESISTANCE :** The SSR-405 FS can be used for a substrate temperature of up to 93.3°C (200°F).

**MIXTURE SHELF LIFE :** 1.89 litres (0.5 gallons) can be stored for 20 minutes at 22.2°C (72°F). A longer shelf life can be achieved by mixing smaller quantities or by cooling components A and B before mixing them.

**STORAGE TEMPERATURE :** The acceptable storage temperature range is 15.6°C to 26.7°C (60°F to 80°F).

**SAFETY :** Material Safety Data Sheets for components A and B are available on request.

## TECHNICAL DATA TABLE

	PROPERTIES	TEST METHOD	VALUES	
			Metric	Imperial
<b>PHYSICAL</b>	Tensile Strength	ASTM D638	33784 kPa	4900 psi
	Elongation	ASTM D638	0.7%	
	Compressive strength	ASTM D695	128242 kPa	18600 psi
	Flexural strength	ASTM D790	69637 kPa	10100 psi
	Hardness (Shore D)	ASTM D2240	85	
	Adhesion to concrete	ASTM D7234	Substrate failure	
	VOC	Calculated	0.0 kg/l	0.0 lb/gal

**APPLICATIONS :** Rehabilitation of manholes and catch basins  
 Rehabilitation of pipes  
 Rehabilitation of tanks, clarifiers and basins

Rehabilitation of pumping stations and wastewater treatment facilities  
 Surface protection