

## DATA SHEET

### SSR-581 POLYUREA COATING

**PRODUCT DESCRIPTION :** Yellow solvent-free, flexible polyurea coating composed of 100% solids.

**FUNCTION :** Rehabilitation or protection of existing structures, in steel, aluminium, HDPE, PVC, wood or concrete. Its elongation up to 614% restores watertightness to the structures while maintaining its flexibility. Among other things, it allows for the rehabilitation of manhole chimneys subjected to the freeze-thaw cycle. Its use extends the service life of structures in the face of exposure to various acid and caustic agents, as well as abrasion and corrosion.

**COMPOSITION :** Combination of two single-use cartridges (750 ml each), in a 1:1 ratio.

**METHOD OF USE :** Application by pneumatic spraying capable of maintaining a constant force, approved by Soleno Service.

**TEMPERATURE OF USE :** The temperature of the surface to be rehabilitated must be between -17.8°C and 65.6°C (0°F and 150°F).

**RECOMMENDED THICKNESS :** The recommended polyurea layer thickness is achieved when the colour is opaque and uniform.

**DRYING AND RECOATING TIME :** Drying time varies depending on layer thickness and weather conditions. The polyurea coating is generally dry to the touch after 10 seconds, and completely dry after 1 hour.

Minimum recoating time : As soon as the surface becomes sticky, but does not transfer to touch, 10 seconds.

Maximum recoating time : 1 hour at a substrate temperature of 22.2°C (72°F). This interval is reduced at higher temperatures.

**TEMPERATURE RESISTANCE :** The SSR-581 FS can be used for a substrate temperature of up to 65.6°C (150°F).

**MIXTURE SHELF LIFE :** Settles in 10 seconds at 22.2°C (72°F).

**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
PHYSICAL	Tensile Strength	ASTM D638	18815 kPa	2729 psi
	Elongation	ASTM D638	614.0%	
	Hardness (Shore A)	ASTM D2240	80	
	Hardness (Shore D)	ASTM D2240	30	
	Abrasion resistance (Taber Test, CS-17 grinding wheel)	ASTM D4060 (1 load of 1kg -1000 cycles)	Loss of < 1.8 mg	
	Recommended pH range	Do not exceed the application range	3 to 12	
	Shrinkage,% (80 mils DFT)	Internal	0.02 mm	0.8 mils

**APPLICATIONS :** Rehabilitation of manholes and catch basins  
Rehabilitation of large-diameter pipes  
Rehabilitation of tanks and basins

Rehabilitation of pumping stations  
Surface protection