

DATA SHEET

SSR-A-6 AQUATAPOXY COATING

PRODUCT DESCRIPTION : White, solvent-free, anti-corrosion epoxy coating, composed of 100% solids.

FUNCTION : Rehabilitation or protection of food and drinking water structures with anti-corrosive and water-repellent epoxy coating.

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

METHOD OF USE : Can be applied by paintbrush, roller or airless spraying. The best dosages and mixtures are obtained by using a Graco XP50 multi-component airless spraying system approved by Soleno Service.

TEMPERATURE OF USE : The temperature of the surface to be rehabilitated must be between 4.4°C and 48.9°C (40°F and 120°F).

RECOMMENDED THICKNESS : The thickness of the epoxy coating can vary from 60 to 120 mils. If necessary, SSR-A-6 epoxy coating can be applied in several coats, provided that 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 4 hours, and completely dry after 9 hours.

Minimum recoating time : As soon as the surface becomes sticky, but does not transfer to touch, 4 hours.

Maximum recoating time : 18 hours at a substrate temperature of 22.2°C (72°F). This interval is reduced at higher temperatures. The recommended cure time before return to service is 3 days at 25°C (77°F).

TEMPERATURE RESISTANCE : The SSR-6 can be used for a substrate temperature up to 65.6°C (150°F). However, it can also be used in environments up to 93.3°C (200°F) by undergoing post-cure heat treatment.

MIXTURE SHELF LIFE : 3.78 litres (1 gallons) can be stored for 30 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
PHYSICAL	Tensile Strength	ASTM D638	41368 kPa	6000 psi
	Elongation	ASTM D638	1.3%	
	Compressive strength	ASTM D695	68940 kPa	10000 psi
	Flexural strength	ASTM D790	64810 kPa	9400 psi
	Hardness (Shore D)	ASTM D2240	87	
	Abrasion resistance (Taber Test, CS-17 grinding wheel)	ASTM D4060 (1 load of 1kg -1000 cycles)	Loss of < 40 mg	
	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 large-diameter pipes
Rehabilitation of tanks and basins

Rehabilitation of food and drinking water installations
Surface protection

OPTIONS : Choice of coating colours available on request.