

PARSONPOXY SEL 80

QUICK SPRAY, CORROSION RESISTANT EPOXY COATING

DESCRIPTION: ParsonPoxy SEL 80 is a quick spray, 100% solids, high-build epoxy coating formulated to provide long-term corrosion protection and structural enhancement for manholes, pump stations, treatment plants or any wastewater infrastructure subject to high levels of corrosion and/or abrasion. ParsonPoxy SEL 80 sets fast for a quick return-to-service in the most aggressive and turbulent environments. It finishes smooth to enhance flow and is utilized as an interior or exterior pipe lining.

PHYSICAL PROPERTIES:

Tensile Strength	ASTM D638	3,482 psi
Tensile Elongation	ASTM D638	2.9%
Flexural Strength	ASTM D790	8,621 psi
Flexural Modulus	ASTM D790	514,000 psi
Compressive Strength	ASTM D695	12,672 psi
Adhesion to Concrete	ASTM D4541	>2000 psi (substrate failure)
Adhesion to Blasted Steel	ASTM D4541	>3000 psi

TYPICAL COATING REQUIREMENTS: With ParsonPoxy SEL 80, only 1 coat is needed to attain finished thickness. If additional coats are called for they must be applied before the previous coat has completely cross-linked, typically for 12 hours @ 72°F (higher temperatures/humidity will shorten this window). If re-coating is needed, brush blast before applying the next coat. Before re-coating, clean and dry surface thoroughly to remove all contamination, including amine blush or condensation. Small areas may be abraded by sanding or wire brushing. The same requirements apply when overlapping seams of adjacent coating sections to create a continuous protective film. If the coating surface to be overlapped at the seam cannot be brush blasted, use a non-impact means, such as power brushing or sanding, to create adequate mechanical profile.

SURFACE PREPARATION: Coating performance is largely determined by the degree of surface preparation. MORE IS BETTER.

EXISTING CONCRETE AND MASONRY substrates must be prepared in a manner that provides a uniform, sound, clean, neutralized surface with sufficient profile suitable for the specified coating. The substrate must be free of all contaminants, such as oil, grease, rust, scale or deposits and have a surface profile equivalent to a CSP3 to CSP5 in accordance with ICRI Technical Guideline No. 03732. This can generally be achieved by abrasive blasting, shot blasting, high pressure water cleaning, water jetting, acid etch, hot water/steam cleaning or a combination of methods.

NEW CONCRETE AND MASONRY SUBSTRATES must be profiled, to achieve a CSP4.

STEEL surfaces may require "Solvent Cleaning" (SSPC-SP 1) to remove oil, grease and other soluble contaminants. Chemical contaminants may be removed according to SSPCSP 12/NACE No. 5. Identification of the contaminants, along with their concentrations, may be obtained from laboratory and field tests as described in SSPC-TU 4 "Field Methods for Retrieval and Analysis of Soluble Salts on Substrates". Surfaces to be coated should then be prepared according to SSPC-SP 5/NACE No.1 "White Blast Cleaning" for immersion service or SSPC-SP 10/NACE No. 2, "Near White Blast Cleaning" for all other service. In certain situations, an alternate procedure may be to used such as high (>5,000 psi) or ultrahigh (>10,000 psi) pressure water cleaning or water cleaning with sand injection. The resulting anchor profile shall be 2.5-5.0 mils and be relative to the coating thickness specified.

YIELD: ParsonPoxy SEL 80 will yield theoretical coverage of 20 sq. ft per gallon @ 80 mils thickness. Actual surface coverage will depend on substrate porosity and roughness. A wet film thickness gauge may be used to determine actual coating thickness.

WARRANTY: Parson Environmental warrants its products to be free of defects in material and workmanship. Within one year from purchase, if any Parson Environmental product is proven defective, the company will replace said product or refund its purchase price at its sole discretion. The company's obligation shall be limited solely to such replacement or refund. There are no other warranties by Parson Environmental, expressed or implied. There is no warranty if Parson Environmental products are used contrary to Parson Environmental's written directions.

FEATURES AND BENEFITS:

- 100% Solids, No VOCs
- Spray applied at 80 to 125 mils in a single pass
- Excellent corrosion and abrasion resistance

TYPICAL PERFORMANCE

CHARACTERISTICS:

- Color: Grey
- Finish: Very Smooth (Manning Coefficient: .009)
- Flash Point > 250°F (121°C)
- Ratio: 3A to 1B by volume

APPLICATION SYSTEMS: Single Component 70:1 Airless Spray Units

POT LIFE: 80°F (27°C) 40 minutes

PACKAGING: ParsonPoxy SEL 80 is available in 4 Gallon Kits (3 parts A, 1 part B).

CHEMICAL RESISTANCE:

- Deionized Water
- Methanol
- Ethanol
- Toluene
- Xylene
- Butyl Cellosolve
- MEK
- 10% Lactic Acid
- 10% Acetic Acid
- 70% Sulfuric Acid
- 50% Sodium Hydroxide
- Bleach
- 1,1,1 Trichloroethane
- 10% Nitric Acid
- 30% Nitric Acid

CURE TIME:

- 70°F or 21°C
- Re-coat Window – 12 hours
- Immersion (Aqueous) Service – 8 hours
- Initial cure time 12 hours
- Full cure time 24 hours

MATERIAL COMPATIBILITY: ParsonPoxy SEL 80 can be used in a composite system with Parson Mortar Materials.



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