610-874-8436
ers@wasinc.com

ENGINEERED RESIN SOLUTIONS

ERS 901 ELASTAFLOW

SELECTION & SPECIFICATION DATA

Type	Flexible Epoxy Coating
Description	This versatile, surface tolerant elastomeric industrial maintenance coating and joint compound offers moderate chemical resistance and outstanding adhesion to a wide variety of substrates including asphalt and concrete. Forms excellent barrier over sand, dirt or rock when applied to suitable geotextiles.
Features	» 100% solids, no VOCs » Excellent impact resistance » Excellent flexibility, >300% elongation » Moderate chemical resistance
Uses	» Crack-bridging base coat » Expansion joint filler » Crack filler » Secondary containment lining » Liner over earth and geotextile
Color	Light gray, blue
Finish	Gloss
Dry Film Thickness (DFT)	15 – 20 mils per coat on horizontal surfaces 6 – 10 mils on vertical surfaces
Solids Content	100% by volume

SUBSTRATES & SURFACE

ALL	Substrate must be clean, dry and free of contaminants.
Steel	Immersion: SSPC-SP 10/NACE 2 Near White Metal Blast with angular profile of 2.5 - 3.5 mils. Non-immersion: SSPC-SP 6/NACE 3 Commercial Blast with angular profile of 1.5 - 3.0 mils, SSPC-SP 2 Hand Tool or SSPC-SP 3 Power Tool Cleaning are suitable for mild environments. Self-priming on steel.
Concrete or Concrete Masonry Unit (CMU)	Concrete must be cured a minimum of 7 days at 75°F (24°C) and 50% relative humidity or equivalent.Prepare surfaces in accordance with SSPC-SP 13/NACE 6. Required surface profile is CSP 3-5. Voids in concrete surfaces may require filling. Mortar joints should be cured a minimum of 15 days. Prime with ERS 1100 Primer/Sealer.
Previously Painted Surfaces	Consult with ERS Technical Service Department

MIXING

Ratio	1 part resin to 1 part hardener by volume.
Mixing	Mix equal parts of the resin and hardener thoroughly until color of material is uniform and free of streaks.
Thinning	Do not thin.
Pot Life	40°F (4°C) 3 hours 75°F (24°C) 2 hours 92°F (33°C) 1 hours 30 minutes Pot life is shorter at higher temperatures. A larger volume of mixed material will have a shorter pot life than a smaller volume.
Cleanup	MEK

APPLICATION GUIDELINES

Spray Application Guide	The following spray equipment has been found suitable and is available from manufacturers such as Binks, DeVilbiss and Graco.
Airless Spray Plural Component	Contact Engineered Resin Solutions for guidance.
Airless Spray Single Leg or Hot Pot	Tip Size: 0.021-inch Pump Size: 56:1 or greater Output: 3500 – 5500 psi, filter removed Hose Length: 50 ft x 3/8-inch ID Whip Length: 6 – 10 ft x 1/4-inch ID Part A resin and Part B hardener should be heated individually before mixing so product will atomize properly in delivering paint to the substrate. Mixed product should be sprayed within 20 minutes after mixing.
Brush & Roller	Can be brush or roller applied. Be aware of work life when using brush or roller application.

CURESCHEDULE & RECOAT WINDOW

Recoat window at 75°F (24°C)	Tack free at 75°F (24°C)	Full cure at 75°F (24°C))
14+ days	24 hours	7 days

Return-to-service varies with chemical exposure.
Consult Engineered Resin Solutions for guidance.

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Theoretical Coverage	267 square feet per gallon at 6 mils 80 square feet per gallon at 20 mils Allow for loss in mixing and application.
Storage & Shelf Life	Maintain products in original packaging and sealeduntil ready for use. Estimated shelf life is 12 months when stored in a dry area at 70°F (21°C). Actual shelf life may vary with storage conditions.

If there is any question with respect to the quality of the components, check reactivity prior to use. For assistance consult with ERS.

SAFETY

Safety	Mixes and applications of this product present a number of hazards. Read and follow the hazard information, precautions and first aid directions on the individual product labels and safety data sheets before using.
Ventilation	Provide thorough air circulation during and after application until the material has cured when used in enclosed areas.

TYPICAL PHYSICAL PROPERTIES

PROPERTY	VALUE
Flash point	>240°F (115°C)
Impact strength at 80°F (26.5°C)	65 ft-lb
Tensile strength	287 psi
VOC	0 g/l
Elongation	>300%
Specific gravity	Resin: 1.44 Hardener: 0.97
Hardness, ASTM D2240	60 Shore D

TEMPERATURE RESISTANCE

SERVICE	MAXIMUM TEMPERATURE
Dry	200°F (93°C)
Spill/splash	200°F (93°C)
Immersion	150°F (66°C)

Temperature limitations will vary with chemical exposure. Consult Engineered Resin Solutions for guidance.