



PARSON GEOLINER

DESCRIPTION: PARSON GEOLINER is a Geopolymer product designed to provide excellent corrosion resistance along with higher strengths and lower permeability than typical cementitious linings. This high performance product can be used for rehabilitating manholes, wet wells, pipes and other wastewater structures.

ADVANTAGES:

- * Great adhesion and cohesion
- * Utilizes over 50% recycled materials
- * Very low carbon footprint
- * Provides high level of corrosion resistance
- * Restores structural integrity
- * Excellent Bond to damp surfaces
- * Apply up to 2" on vertical surfaces in one coat
- * Spincast, Spray Gun or trowel application



PHYSICAL PROPERTIES:

Compressive Strength ASTM C-109	1 day > 3,000 psi 28 days > 8,000 psi	Bond ASTM C-882	28 days	Substrate failure at 2800 psi
Flexural Strength ASTM C-293	28 days > 800 psi	Shrinkage ASTM C-596	28 days	0.0% (at 90% RH)
Tensile Strength ASTM C-496	28 days > 800 psi	Freeze/Thaw ASTM C-666	300 cycles	No damage
Abrasion Resistance ASTM C-1138	6 cycles @ 28 days Loss <1.0%	Sulfide Resistance ASTM C-267	20,000 ppm	No weight loss after 90 days in aqueous sulfuric acid solution
Chloride Ion Penetration by Ponding ASTM C-1202	< 300 coulombs	Modulus of Elasticity ASTM C-469	1 day 28 days	3,100,000 psi 6,200,000 psi

SURFACE PREPARATION: Thoroughly clean and remove any loose or foreign materials including paints, dirt, oil, grease, surface coatings, laitance and any other bond-inhibiting material from surface to be coated, using minimum 3500 psi waterblast. Stop all active leaks. (Please refer to our Manhole Rehabilitation Specifications for product selections.) Surface should be Saturated Surface Dry (SSD) just prior to material application. Any standing water must be removed.

MIXING: Using a slow-speed mortar mixer or large mechanical jiffy mixer, add approximately 1 gallon of clean, potable water per 50 lb. bag of PARSON GEOLINER. Add water to mixer and then add powder. Mix thoroughly for approximately 3 minutes until a uniform consistency has been obtained.

APPLICATION: Using low pressure spray equipment or trowel, apply mixed product on vertical, horizontal and overhead surfaces to a minimum thickness of 1/2" and up to 2". Trowel or brush to a smooth finish as soon as possible, but within two hours. If additional material is required, apply up to 2" of product within 4–6 hours, then trowel or brush to a smooth finish as soon as possible, but within two hours. Ambient temperature should be minimum 40F and remain above 32F for 12 hours after application. Do not apply to frozen surfaces.

COVERAGE: Approximately 1 vertical foot per 50 lb. bag at 1/2 inch thick.

PACKAGING: Available in 50 lb. multiwall paper bags with moisture barrier.

STORAGE: Keep product dry and above 50°F. Shelf life should be 2 years for unopened bags when stored accordingly.

PRECAUTIONS: Use protective eye wear, cover exposed skin and use breathing protection. See SDS for specific instructions