



PARSON CA LINER 100⁺

DESCRIPTION: PARSON CA LINER 100+ is a spray applied, high strength, pure fused Calcium Aluminate Cement and aggregate lining designed to protect both new and existing manholes, wet wells, lift stations and other Wastewater related structures against H₂S attack.

ADVANTAGES:

- * Cost-effective alternative to replacement
- * Stops infiltration and exfiltration
- * Restores structural integrity
- * Provides a high level of corrosion protection
- * High early and 28 days strengths
- * Freeze-thaw resistant
- * Low Permeability
- * Excellent Bond to damp or wet surfaces
- * Apply up to 2" in a single coat
- * Spincast, Spray Gun or trowel application



PERFORMANCE DATA:

Compressive Strength ASTM C-109	24 hours 6,000 psi 28 days > 9,000 psi	Shrinkage ASTM C-157	0.0% (at 90% RH)
Flexural Strength ASTM C-293	24 hours 1,400 psi 28 days > 1,700 psi	Freeze/Thaw ASTM C-666	300 cycles, No damage
Tensile Strength ASTM C-190	28 days > 900 psi	Chloride Permeability AASHTO T-277	< 300 coulombs (very low)
Shear Bond ASTM C-882	> 2,400 psi	Sulfide Resistance ASTM C-267	No weight loss after 90 days in 20,000 ppm aqueous sulfuric acid solution
Density	150 pcf		

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. Please refer to our Specifications for Manhole Rehabilitation for product selections.

MIXING: Using a slow-speed mortar mixer, add approximately 3/4 gallon of clean, potable water per 50 lb. bag of PARSON CA LINER 100+. Add water to mixer and then slowly add powder. Mix thoroughly for approximately 3 minutes until a uniform consistency has been obtained.

APPLICATION: Using low pressure spray equipment, apply mixed product on vertical, horizontal and overhead surfaces to a thickness up to 2" in one application, although 1/2" – 1" is recommended. Trowel or brush to a smooth finish as soon as possible, but within one hour. If additional material is required, apply up to 2" of product within 2-3 hours, then trowel or brush to a smooth finish as soon as possible, but within one hour. Do not apply to frozen surfaces. As temperatures rise above 80° F, the working and cure times will decrease. Conversely, working and cure times will increase as temperatures fall below 65° F. Equipment and hoses should be cleaned frequently of residual material.

COVERAGE: Approximately 10 sq. feet per 50 lb. bag at a thickness of 1/2 inch.

PACKAGING: Available in 50 lb. multi-wall paper bags with moisture barrier.

STORAGE: Shelf life is 2 years when stored at 70°F in unopened, tightly sealed bags in a dry area.

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