



PARSON CA LINER 100⁺

DESCRIPTION: PARSON CA LINER 100+ is a high strength, pure fused Calcium Aluminate Cement and Calcium Aluminate aggregate mortar designed to rehabilitate and protect new and existing manholes, lift station wet wells 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 day strengths
- * Freeze-thaw resistant
- * Low Permeability
- * Excellent Bond to damp 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-596	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	Permeability AASHTO T-277	<300 coulombs (very low)	
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	135 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.

MIXING: Using a slow-speed mortar mixer or large mechanical jiffy 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 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". 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.