

# PARSON CA LINER 100+

**DESCRIPTION:** PARSON CA LINER 100+ is a high strength, fiber reinforced, microsilica enhanced 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 H<sub>2</sub>S attack.

## PHYSICAL PROPERTIES:

Compressive Strength ASTM C109	1 day >6,000 psi 28 days >9,000 psi	Shrinkage ASTM C596	0.0% at 90% RH
Flexural Strength ASTM C293/C78	1 day >1,400 psi 28 days >1,700 psi	Freeze/Thaw ASTM C666	300 cycles, No damage
Tensile Strength ASTM C496	28 days >900 psi	Permeability AASHTO T277	<300 coulombs (very low)
Bond ASTM C882	>2,400 psi	Sulfide Resistance ASTM C267	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) 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" and up to 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. Ambient temperature should be minimum 40°F and remain above 32°F for 12 hours after application. Do not apply to frozen surfaces. Regularly clean equipment and hoses.

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

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

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

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



## 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



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