

# PARSON CA LINER 100

## CALCIUM ALUMINATE CEMENT MORTAR

**DESCRIPTION:** PARSON CA LINER 100 is a high strength, fiber-reinforced, microsilica enhanced 100% Calcium Aluminate Cement with select, graded aggregates for use in rehabilitating manholes, lift station wet wells, and other wastewater related structures.

### PHYSICAL PROPERTIES:

|                                    |  |                                 |   |
|------------------------------------|--|---------------------------------|---|
| Compressive Strength<br>ASTM C109  | 1 day > 5,500 psi<br>28 days > 9,000 psi | Shrinkage<br>ASTM C596          | 0.0% @ 90% RH   |
| Flexural Strength<br>ASTM C293/C78 | 28 days > 1,600 psi                      | Freeze/Thaw<br>ASTM C666        | 300 cycles,<br>No damage  |
| Tensile Strength<br>ASTM C496      | 28 days > 800 psi                        | Permeability<br>AASHTO T277     | <300 coulombs<br>(very low)   |
| Bond<br>ASTM C882                  | > 2,000 psi                              | Sulfide Resistance<br>ASTM C267 | No weight loss after<br>90 days in 20,000<br>ppm aqueous sulfuric<br>acid solution. |
| Applied Density                    | 137 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 a thickness of 1/2".

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



### ADVANTAGES:

- Cost-effective alternative to replacement
- Stops infiltration and exfiltration
- Restores structural integrity
- Provides moderate to high corrosion protection
- High Strengths and Low Permeability
- Excellent Bond to damp surfaces
- Apply up to 2" in a single coat
- Spincast, Spray Gun or trowel application



17 AD Asbury Rd.  
Greenville, SC 29605  
(800) 356-9023  
[info@parsonenvironmental.com](mailto:info@parsonenvironmental.com)  
[www.parsonenvironmental.com](http://www.parsonenvironmental.com)