



# PARSON CA LINER 100

**DESCRIPTION:** PARSON CA LINER 100 is a spray applied, high strength, fiber-reinforced, 100% Calcium Aluminate Cement with select, graded aggregates for use in rehabilitating manholes, lift station wet wells, and wastewater treatment plant structures. May also be used as an underlayment for PARSONPOXY SEL-80 or PARSONPOXY SEL-80HB Epoxy Coatings.

**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



**PHYSICAL PROPERTIES:**

<b>Compressive Strength ASTM C-109</b>	28 days > 9,000 psi	<b>Shrinkage ASTM C-157</b>	0.0% (at 90% RH)
<b>Flexural Strength ASTM C-293</b>	28 days > 1,600 psi	<b>Freeze/Thaw ASTM C-666</b>	300 cycles, No damage
<b>Tensile Strength ASTM C-190</b>	28 days > 800 psi	<b>Chloride Permeability AASHTO T-277</b>	< 300 coulombs (very low)
<b>Shear Bond ASTM C-882</b>	> 2,000 psi	<b>Sulfide Resistance ASTM C-267</b>	No weight loss after 90 days in 20,000 ppm aqueous sulfuric acid solution.
<b>Density</b>	140 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 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 1–2 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.