

# PARSON MH LINER

## MICROSILICA CEMENT MORTAR

**DESCRIPTION:** PARSON MH LINER is a high strength, fiber-reinforced, Portland Cement based, microsilica enhanced Mortar for use in rehabilitating manholes, lift station wet wells and other wastewater structures.

### TYPICAL PERFORMANCE CHARACTERISTICS:

- |                                 |                                    |
|---------------------------------|------------------------------------|
| • Compressive Strength 28 Day   | (ASTM C39) >9,000 psi              |
| • Flexural Strength (ASTM C293) | >1,000 psi                         |
| • Bond Strength (ASTM C882)     | >1,500 psi                         |
| • Freeze-Thaw (ASTM C666)       | No visible damage after 300 cycles |
| • Permeability (ASTM C1202)     | 350 Coulombs                       |
| • Density                       | 132 +/- 5 PCF                      |
| • Shrinkage (ASTM C596)         | 0% @ 28 days                       |

**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 MH LINER. 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 3". Trowel or brush to a smooth finish as soon as possible, but within two hours. If additional material is required, apply up to 2" of product within 4–6 hours, then trowel or brush to a smooth finish as soon as possible, but within two hours. Ambient temperature should be minimum 40°F and remain above 32°F for 12 hours after application. Do not apply to frozen surfaces.

**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.

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

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

**MATERIAL COMPATIBILITY:** Parson MH Liner can be used in a composite system with Parson Polymeric Materials.



### ADVANTAGES:

- Cost-effective alternative to replacement
- Stops infiltration and exfiltration
- Restores structural integrity
- Provides low to moderate corrosion protection
- High Strengths and Low Permeability
- Excellent Bond to damp surfaces
- Apply up to 3" in a single coat
- Spincast, Spray Gun or trowel application
- Can be top coated with Parson SEL 80 after 24 hours to perform as a composite system

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