

PARSON MH LINER

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.

PHYSICAL PROPERTIES:

Compressive Strength ASTM C109	1 day > 4,000 psi 28 days > 9,000 psi	Bond ASTM C882	> 2,000 psi
Flexural Strength ASTM C293/C78	28 days > 1,600 psi	Shrinkage ASTM C596	28 days 0.0% at 90% RH
Tensile Strength ASTM C496	28 days >800 psi	Freeze/Thaw ASTM C666	300 cycles, No damage
Applied Density	125 pcf	Sulfide Resistance ASTM C267	No weight loss after 90 days in 20,000 ppm aqueous sulfuric acid solution
Permeability AASHTO T277	< 300 coulombs		

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 1/2 inch thick.

PACKAGING: Available in 50 lb. multiwall 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



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



PO Box 25
Wernersville, PA 19565

(800)356-9023
info@parsonenvironmental.com
www.parsonenvironmental.com