



ALUMINALINER™

# ALUMINALINER™ TECHNICAL DATA SHEET

Rev. 04-2018



A VORTEX COMPANY

**REPAIR  
MATERIALS**

## Typical Performance Characteristics

- Compressive Strength psi (ASTM C39)  
28-day >9000
- Flexural Strength psi (ASTM C293)  
28-day >1000
- Bond Strength psi (ASTM C882)  
>2000
- Freeze-Thaw Durability (ASTM C666)  
No visible damage after 300 cycles
- Permeability (ASTM C 1202)  
350 Coulombs
- Shrinkage at 95% Humidity (ASTM C596)  
28-day 0%
- Sulfide Resistance (ASTM C267)  
No attack
- Density  
135 +/- 5 PCF

### RECOMMENDED FOR

Vertical and overhead repairs to concrete or masonry sewer structures such as manholes, wetwells, pipe and treatment plant structures where corrosion is a problem.

### FEATURES AND BENEFITS

- Quality controlled, one-component blend for uniform results
- High early and ultimate compressive, flexural and bond strengths
- Resistant to sulfide attack
- Low permeability

## CALCIUM ALUMINATE SEWER REHABILITATION MORTAR

### DESCRIPTION

AluminaLiner™ is a factory blended, one component, fiber reinforced, 100% calcium aluminate cement designed to provide excellent corrosion resistance against typical hydrogen sulfide gas (microbiologically induced) corrosion, add structural integrity and stop groundwater infiltration in sewer structures with a pH of 2 or greater. This unique formulation allows for a monolithic one-pass application up to three inches in thickness by low pressure spraying or centrifugally spinning.

### PACKAGING

AluminaLiner is supplied in 60 lb. (27 kg.) poly-lined bags.

### YIELD

One 60-lb. bag of AluminaLiner will yield approximately .48 cu. ft. and will cover 11.5 sq. ft. at a 1/2 in. thickness.

## PROCEDURE

Prepare surface to be patched by removing unsound concrete, dirt, dust, oil and other debris using high pressure (3500 psi) water blasting. Then rinse with potable water to remove all remaining dirt, sand and loose debris. This will provide a clean, damp surface to allow for a good bond.

Use approximately 0.8 to 1.0 gallons of potable water per 60 lb. bag of AluminaLiner. First add water to mixer, start the mixer and add AluminaLiner until mortar is completely mixed.

Apply AluminaLiner by low pressure spraying on vertical or overhead surfaces to a monolithic thickness of 1/2 to 3 inches in one pass, trowel to smooth surface.

## CURING

Cure in accordance with Quadex recommended curing agent.

## WARRANTY

Quadex™ warrants its products to be free of defects in material and workmanship. Within one year from purchase, if any Quadex product is proven defective, Quadex will replace said product or refund its purchase price at Quadex's sole discretion. Quadex's obligation shall be limited solely to such replacement or refund. There are no other warranties by Quadex, expressed or implied. There is no warranty if Quadex products are used contrary to Quadex's written directions.

## PRECAUTIONS

Avoid eye contact or prolonged contact with skin. Wash thoroughly after use. Persons using AluminaLiner should wear necessary eye protection, dust mask and rubber gloves. Read all product labels and technical literature.