

AluminaLiner®

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.

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.

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**

CURING

Cure in accordance with Quadex recommended curing agent.

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.



WARRANTY

Quadex, LLC warrants its products to be free of defects in material and workmanship. Unless superseded by project specifications and terms agreed upon in writing between installer and Quadex prior to bid, if within one year from purchase, any Quadex, LLC product is proven defective, the company will replace said product or refund its purchase price at its sole discretion. The company's obligation shall be limited solely to such replacement or refund. There are no other warranties by Quadex, LLC, expressed or implied. There is no warranty if Quadex products are used contrary to Quadex, LLC's written directions.

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.

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.

PACKAGING/YIELD

North America

			1.0-INCH 25.4MM THICKNESS		
BAG SIZES LBS KG	BAG MATERIAL	YIELD PER BAG FT ³ M ³	BAG COVERAGE FT ² M ²	MASS COVERAGE LBS/FT ² KG/M ²	WATER PER BAG* % BY WEIGHT
60 27.2	Multi-Wall Paper Bag	0.61 0.017	7.36 0.68	8.51 41.56	11.0 - 14.0

*Due to natural deviations in the constituent materials, additional water may be necessary on occasion. Applicators are trained to adjust as needed based upon field performance of the product.

