



QUADEX
SEWER REHABILITATION PRODUCTS

QUADEX ALUMINALINER

A CALCIUM ALUMINATE SEWER
REHABILITATION MORTAR

DESCRIPTION:

Quadex Aluminaliner is a factory blended, one component fiber reinforced, fused calcium aluminate cement mortar, enhanced with a monocrystalline quartz aggregate. This mortar is specifically designed to provide ultimate protection against hydrogen sulfide gas induced corrosion, add structural integrity and stop the infiltration of groundwater in sewer structures. This unique formulation allows for a monolithic one-pass application up to three inches in thickness by low pressure spraying.

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.
Extremely low permeability.

TYPICAL PERFORMANCE DATA:

Compressive Strength PSI (ASTM C109)
28-day
>9000
Flexural Strength PSI (ASTM C293)
28-day
>1600
Bond Strength PSI (ASTM C882)
>2500
Freeze-Thaw Durability (ASTM C666)
No visible damage after 300 cycles
Permeability (AASHTO T-277)
350 Coulombs
Shrinkage at 95% Humidity (ASTM C596)
28-day
0%
Sulfide Resistance (ASTM C267)
No attack
Density 127 +/- 5 PCF

PACKAGING:

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

YIELD:

One 60-lb. bag of **Quadex Aluminaliner** will yield approximately .54 cu. ft. and will cover 12.5 sq. ft. at a 1 / 2 inch thickness.

PROCEDURE:

Prepare surface to be patched by removing unsound concrete, dirt, dust, oil and other debris using high pressure (3500 PSI) water blasting. Air blast excess water with an oil free air compressor. This will provide a clean, damp surface to allow for a good bond.

Use approximately 0.9 to 1.1 gallons of potable water per 60 lb. bag of **Quadex Aluminaliner**. First add water to mixer, start mixer to mixing and add Quadex Aluminaliner until mortar is completely mixed.

Apply **Quadex 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 current ACI recommendations. Use a two coat application of a manufacturer approved water based curing compound.

WARRANTY:

Quadex warrants its products to be free of defects in material and workmanship. **Quadex** will replace any product proved to be defective when applied in accordance with manufacturer's instructions. **Quadex's** obligation shall be limited solely to such replacement. There are no other warranties by **Quadex** expressed or implied.

PRECAUTIONS:

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