

Description: UNILIME is a natural mineral lime plaster specifically formulated to provide a mechanical key to true mineral finishes over substrates with low to no porosity. It may be used to renovate existing walls and façades while compensating for imperfections and resulting in monolithic backgrounds. Unilime may as well be a single coat solution to commercial settings preferring sustainable design and the flexibility of a natural mineral color system.

Substrates:

- Masonry Unit
- Monolithic Concrete
- Cement Brown Coat
- Cement Board
- Gypsum Base
- Gypsum Panel
- Blue Board
- Existing Stucco

Advantages:

- Interior, exterior
- Superior Adherence
- High Workability
- Water-vapor permeable
- Low modulus of elasticity
- Adequate compressive strength

Packaging: Available in 55lb. (25kg) bag.

Storage: Approximately 6 months when stored under cool, dry conditions in the original package.

Coverage: When applied according to manufacturer's recommendations, the average coverage per bag is 100 to 150 ft².

Technical Feature: UNILIME provides a monolithic mineral background, absorbing thermal expansions and structural movements and offering a natural mineral alternative to synthetic bonding agents.

Physical Data:

- Density: 1450 kg/m³
- pH: 11
- Compressive Strength (28 d): ≥ 7 MPa
- Flexural Strength (28 d): ≥ 4 MPa
- Dynamic Elasticity: 2949 MPa
- Shrinkage: 1.02 mm/m
- Aggregate grade: 20-400 (0-0.8 mm)

Adherence Testing: Over an older surface that had been previously coated, apply UNILIME over a 3 x 3 ft² area and embed GMESH. After 8 days of curing, strongly pull the mesh. If the initial coating separates from the substrate, removal of the existing coating is needed before the application of UNILIME.

Colors: 216 standard colors made of natural mineral pigments. Color matching is also available upon request.

Preparation: The surface must be clean, and free of dust, frost, grease, oil and other substance that could weaken effecting bonding. Porous surfaces such as masonry, cement, and concrete should be generously dampened in dry weather conditions a day before the start of the job. If heat persists following the application, it is advised to mist the surface again.

1. Power-mix the dry material at slow speed for 1 to 2 minutes.
2. Add 1.5 gallons (6 liters) of clean water per bag with the mixer operating.
3. Allow to settle for 15 minutes.
4. Mix again before use to obtain a smooth and homogeneous paste.
5. To apply mechanically, please consult us.

Curing Time: Initial set time is 6 hours. Allow at least 2 weeks to cure, depending on weather conditions, and a few months for optimal performance.

Cautions:

► UNILIME will produce maximum performance and workability when adequate tools are used and mixing directions are carefully respected.

► Do not apply the material if the temperature is below 45 °F (5 °C) or higher than 86 °F (30 °C). All exterior scaffolds must be netted at all times to ensure color and texture consistency.

► Colors may vary due to conditions and method application. A mock-up is highly recommended.

► Wear particle mask and eye and hand protection when mixing.

► Ensure a consistent mixing ratio between batches and throughout the execution of the project.

► Dampen the base coat several hours prior and avoid excessive toweling.

► Penetrating sealers and waxes ease wash ability in high-traffic areas (apply after 7 to 10 days).

► Do not apply over soft substrates, oil, lacquer, vinyl coatings, water repellents, metals, plastics, and generally all thermo-sensitive materials.