

Description: UNILIME is a natural mineral lime plaster specifically formulated to provide a true mechanical key to mineral finishes over a wide array of interior and exterior substrates. It may be used to renovate existing walls and façades, while compensating for imperfections and resulting in monolithic backgrounds. UNILIME may as well be preferred as a single color coat providing a functional, economical, and sustainable alternative to conventional coating products.

Substrates:

- Masonry Unit
- Monolithic Concrete
- Cement Stucco
- Cement Board
- Gypsum Base
- Gypsum Panel

Advantages:

- Interior, exterior
- Healthy, non-toxic
- Superior Adherence
- High Workability
- Water-vapor permeable
- Versatile
- Low Maintenance

Packaging: Available in 55lb. (25 Kg.) 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 70 to 100 ft².

Technical Feature: UNILIME provides a monolithic mineral background, absorbing thermal expansions and structural movements providing 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: 6500 MPa
- Shrinkage: 1.02 mm/m
- Aggregate grade: 20-400 (0-0.8 mm)

Adherence Testing: To evaluate the adherence of a painted substrate, apply UNILIME over a 3 x 3 ft² area and embed a fiber glass mesh exposing a 12" flange at the base. After 8 days of curing time, roll the bottom flange around a broom stick and evenly pull out the mesh. If the initial coating separates from the substrate, then removal of the existing coating must be addressed.

Preparation: The surface must be clean, and free of dust, frost, grease, oil and other substance that could weaken effecting bonding. In warm climate conditions, Absorbent surfaces such as masonry, cement, and concrete substrates should be generously dampened the day before the job starts.

1. UNILIME is mixed with 5 Qt. (5 liters) of clean water per 55 lb. bag or 17 oz. (500 ml) per 5.5 lb. box.
2. Use a power drill equipped with a mixing paddle or a self-contained mechanical mixer.
3. Pour in about half of the water content into a mixing bucket
4. Discharge about half of a bag of UNILIME and mix to heavy viscosity.
5. Add color pigments (preferably pre-mixed in the mixing water).
6. Add the remaining water and discharge the rest of the bag.
7. Continue mixing to a smooth, lump-free consistency.
8. Allow to settle for 10-15 minutes.
9. Re-mix (break the set) before use.

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 before final approval.
- ▶ Wear particle mask, eye and hand protection when mixing.
- ▶ Ensure a consistent mixing ratio between batches and throughout the execution of the project.
- ▶ Do not apply over soft substrates, oil, lacquer, vinyl coatings, water repellents, metals, plastics, and generally all thermo-sensitive materials.