

Description: Unilime is an elaborated base plaster composed of hydrated lime, natural hydraulic lime, and mineral admixtures blended specifically to optimize an adequate mechanical key over a wide array of substrates. It combines strength, rigidity, and elasticity, compensating for substrate imperfections and resulting in monolithic backgrounds. Unilime may as well be specified for the restoration of damaged walls and façades, improving their adherence.

Substrates:

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

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
- Vapor Diffusion: 2.78 gr/m² h mmHg
- Aggregate grade: 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.

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 1.25 gallons (5 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: 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.
- ▶ Over framed constructions, the embedding of GMESH into Unilime is required.
- ▶ 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.
- ▶ Do not apply over soft substrates, oil, lacquer, vinyl coatings, water repellents, metals, plastics, and generally all thermo-sensitive materials.
- ▶ Do not apply over frozen, overheated, or damp substrate.

The present product specification does not release the user from validating the product suitability on the substrate. The products of Mediterranean Colors are warranted to perform according to the manufacturer's instructions. This warranty may not exceed the cost of the product. Under no circumstances, Mediterranean Colors, LLC shall be responsible for consequential damages. The foregoing warranties are in lieu of all other warranties expressed or implied, including the warranties related to fitness for a particular purpose.