

Description: Muralime is a natural mineral artisan plaster essentially composed of hydrated lime and extra fine aggregates (400-25). Versatile, it may be trowel applied in one or two coats or it may be brush applied in accordance with color washing and fresco techniques, making possible to achieve a wide array of textures from a plain, matte surface to a more polished one similar to marble. Whatever the texture, Muralime is appreciated for its natural mottled effects and its reflective qualities.

Composition:

- Air Lime: 70% +/- 5
- Natural admixtures: $\leq 2.5\%$
- Mineral aggregates: 20% +/- 5
- Mineral admixtures: $\leq 7.5\%$ +/- 2
- Sand Mesh: 400/25 (0 to 0.7 mm)

Advantages:

- Interior & exterior
- Water vapor permeable
- Naturally mold resistant
- Fade resistant
- Low Maintenance
- Applicable as paint

Packaging: Available in 22lb. (10kg) pails.

Storage: Approximately 12 months when stored under cool, dry conditions in the original package.

Coverage: The average coverage per pail in one or two successive coats will depend on chosen technique:

- Two Coats: 100 to 120 ft²
- Single Coat: 120 to 200 ft²
- Wash: 300 to 500 ft²

Technical Feature: Natural mineral material recommended from a green building point of view as it clearly shows good absorption and diffusion qualities. Compatible with mineral surfaces, Muralime naturally fossilizes with the substrate, creating a long-lasting and protective mineral crust.

Physical Data:

- Bulk Dry Density: $\leq 0.75 \pm 0.05$ kg/dm³
- pH: 12
- Specific Gravity: 0.9
- Dynamic Elasticity: ≤ 3000 mPas
- Water Retention: 76.2
- Vapor Diffusion: 1.4 gr/m² H mmHg
- Impermeability: 0.13 kg/m²/H05

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

Curing Time: Allow at least 2 weeks to cure, depending on weather conditions, and a few months for optimal performance.

Applications: The surface generally prepared with Unilime or Prima must be clean, dry, and free of dust, frost, grease, oil and other substance that could weaken effecting bonding. Older and absorbing substrates will require the application of a water-based primer. At least one worker per scaffold level required for simultaneous, uniform working.

1. Water-spray the substrate and let water evaporate.
2. Dry-mix Muralime, then add 1 to 1.25 gallons of clean water with the mixer operating.
3. Allow to settle for 10 minutes.
4. Mix again, adding the required quantity of water depending on the chosen technique:

▶ Two Coats (½ Qt. to 2 Qt): Apply a first thin coat. When dry to touch, apply a second coat. Total thickness should be 1/16". When dry to touch, trowel float to knock down high spots. When mat, compress the surface to desired sheen. The second coat may be a different color. A patina (water + pigments) or black soap for waterproofing may alternatively be applied over the second coat prior to polishing.

▶ Single Coat (2 Qt. to 3 Qt): Trowel apply a single coat 1/16" thick. Let dry to touch and finish to desired effect. Two or more colors may be applied at the same for to achieve polychrome cloudy effects.

▶ Color Wash (6 Qt. to 8 Qt): Brush apply in 2 coats over a cured (secco) or "green" (fresco) base coat. A different color and/or water dilution may be chosen for the second coat.

Cautions:

▶ Muralime 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).