

Description: Tradilime ST (16 Mesh) is an artisan lime plaster essentially composed of hydrated lime, mineral additives, and fine aggregates. It is ready for application after simple addition of water, resulting in long-lasting wall and façade sustainable treatments with respect to traditional stuccos of Europe. TRADILIME ST is appreciated for its subtle open texture and low sheen resembling the travertine stone.

Composition:

- Lime binder: 70% (vol.)
- Natural admixtures: 2%
- Mineral aggregates: 72%
- Mineral admixtures: $\leq 7.5\%$ +/- 2

Advantages:

- Interior, exterior
- Impact, abrasion resistant
- Fade resistant
- Hydrophobic
- Mold resistant
- Water-vapor permeable

Packaging: Available in 44lb. (20kg) pails.

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

Coverage: The average coverage, when applied according to manufacturer's recommendations is 70-100 ft² per pail.

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

Physical Data:

- Dry Bulk Density: 1300 kg/m³
- pH: 12
- Dynamic elasticity: ≤ 6000 MPA
- Compressive Strength: 3.8 MPA
- Flexural Resistance: 1.5 MPA
- Water Retention: 95%
- Vapor Diffusion: 1.5 gr/m² H mmHg
- Impermeability: 100 g/m²/H05
- Sand Mesh: 400-16 (0 to 1.2 mm)

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 to be finished with Tradilime must be clean, dry, and free of dust, frost, grease, oil and other substance that could weaken effecting bonding. At least one worker per scaffold level required for simultaneous, uniform working.

1. Moist cure the substrate and let water evaporate.
2. Power-mix the dry material at slow speed for 1 to 2 minutes.
3. Add 1 gallon (4 liters) of clean water, with the mixer operating for about 3 minutes to obtain a creamy, consistent paste.
4. Allow to settle for 10-15 minutes.
5. Mix again, adding a controlled amount of water only if needed.
6. Apply a first coat to produce complete coverage.
7. Let dry to touch so that fingers don't leave impressions on the surface.
8. Apply a second coat for texture depth and uniformity to a minimum total thickness of 1/8".
9. Finish to required effect:

► **Travertine:** Trowel lightly after moisture leaves surface.

► **Sandstone:** Sponge float to raise the sand and poly trowel to push it back down.

► **Ashlar:** Rake joints to required depth

► **Antiqued:** Brush a patina (water + pigments) over firm surface and wipe lightly with dampen cloth.

Cautions:

► Tradilime 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 hand protection when mixing.

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

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