APPLICATION GUIDE

EnluGen™

Lime-based Venetian plaster · from substrate to full cure

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USE WITH THE TDS OF ENLUGEN, PRIMERS AND PROTECTIVE COATINGS

01 THE SYSTEM AT A GLANCE

Venetian plaster is built from thin, compressed coats — not from thickness: each coat of about 0.012 in goes on while the previous one is still fresh, is burnished at the right moment, and the lime hardens as it carbonates over 30 days.

01 PREPARE — Substrate
Flat, sound and dust-free. Prime per table 02.

→ **24 h** IF PRIMED

02 1ST COAT — EnluGen
Trowel-on load coat, **≈ 0.012 in**.

→ **1 h**

03 2ND & 3RD — EnluGen
Thin and compressed. 3rd coat per finish.

→ **30–40 min** BY HAND

04 FINISH — Polished or matte
Trowel or polisher (≥ 90 min). Matte: light sanding.

→ **7 d** IF SEALED

05 PROTECT — Water-Repellent
Optional. Wet areas only.

→ **30 d**

06 CURE — Carbonation
No washing or scrubbing. Exterior: **no rain for 4 days**.

02 WHAT TO DO ON EACH SUBSTRATE

SUBSTRATE	PREPARATION	PRIMER
Lime or cement stucco, fine-floated finish	Cured **≥ 28 days**; if very dry, mist without saturating	Not needed
Concrete, precast or smooth mineral panel	Cured ≥ 28 days; no form-release agent or dust	**Primer Contac**
Gypsum plaster · drywall (Level 4–5 finish)	Joint compound sanded smooth; dust-free	**Primer Contac**
Well-bonded matte paint	Clean, scuff-sand and check adhesion	**Primer Contac**
Film-forming or poorly bonded paint	Remove with stripper or mechanically	Per substrate
Highly or unevenly absorbent substrate	Brush off all loose material	**MinerGen**
Wall with salt efflorescence	Dry-brush off salt crusts	**Neutralysalt Primer**
Tile, glass, laminate, epoxy or PU paint	Clean and degreased; sand off any gloss	**All Terrain + Contac**
Wood or MDF · rust-free metal	Wood sanded and dust-free; metal degreased	**All Terrain + Contac**
Mold, algae or mildew residue	Clean thoroughly with a suitable biocide	Per substrate

The plaster mirrors the wall: fill dips and knock down ridges with mortar or joint compound first. Fix the cause of structural cracks, rising damp or leaks. Do not apply to surfaces in permanent contact with water. When in doubt, contact the Technical Department.

03 COVERAGE AND WAIT TIMES PER COAT

COAT	PRODUCT	PREPARATION	COVERAGE / COAT	WAIT
PRIMER	**Primer Contac**	Undiluted · 1 coat	**325–365 ft²/gal**	24 h
	All Terrain 4x4	Undiluted · 1 coat, before Contac	**400–480 ft²/gal**	24 h
	MinerGen	Undiluted · 2–3 passes (1 h apart)	**530–650 ft²/gal**	24 h
	Neutralysalt Primer	Undiluted · 1–2 coats wet-on-wet	**1,020–1,220 ft²/gal**	24 h
1ST COAT	**EnluGen**	Ready to use · trowel, ≈ 0.012 in	**12–15 lb/100 ft²**	1 h
2ND & 3RD	**EnluGen**	Thin and compressed · ≈ 0.012 in	**12–15 lb/100 ft²**	1 h · burnish
PROTECT	**TerraGen PU Water-Repellent**	2 coats · wet areas only	**0.65–1.0 oz/ft²**	6–24 h

Times at 77 °F and 60% RH; cold or humid conditions extend them. EnluGen coverage calculated from the TDS (0.012 in per coat); the 1st coat may use more on uneven walls. Indicative total: 25–31 lb/100 ft² for 2 coats, 37–46 lb/100 ft² for 3. Test on site. Example: 300 ft², 3 coats ≈ 110–140 lb of EnluGen. Water-Repellent: at least 7 days after the plaster.

04 STEP BY STEP

1. **Check the substrate:** flat, sound, dry, free of dust, salt and grease; new mineral substrates cured 28 days. Remove loose or film-forming paint and level out dips — the plaster won't hide them.
2. **Mask** woodwork, glass and stone; wear **gloves and safety goggles** (lime is corrosive). Rinse splashes off with water.
3. **Prime** where table 02 says so and let it dry. **WAIT 24 H**
4. **Prepare EnluGen:** stir thoroughly, by hand or with a low-speed drill mixer, until homogeneous. It comes ready to use: do not dilute or mix with other products. Keep the pail covered between uses.
5. **1st (load) coat:** stainless steel trowel, pressing firmly, about 0.012 in thick, in full sections with no pinholes. Very dry substrate: mist lightly, never saturate. **WAIT 1 H**
6. **2nd coat,** thinner and compressed; a **3rd** for more depth or sheen. If it dries while you work, mist with water. **RECOAT AFTER 1 H**
7. **Finish.** Polished: burnish with the trowel as the last coat firms up (30–40 min), or with an electric polisher after 90 min. Matte: once dry, sand lightly (220–400 grit).
8. **Protect and let it cure:** dry interiors as is or with beeswax (after 24 h); wet areas, TerraGen™ PU Water-Repellent after 7 days. Exterior: no rain for 4 days. Don't wet it to cure; no washing or scrubbing for 30 days.

05 CONDITIONS & TOOLS

WORKING CONDITIONS

- Air and surface temperature **41 °F to 90 °F**
- No direct sun, strong wind or sun-heated surfaces
- Relative humidity up to 80%; no frost risk
- Times given at **77 °F and 60% RH**

TOOLS

- Stucco and Japanese trowels, **stainless steel**
- Low-speed drill mixer · spray bottle
- Electric polisher · fine sandpaper · gloves, goggles
- Clean tools with **warm water** right after use

06 COMMON MISTAKES AND HOW TO AVOID THEM

Gray streaks when burnishing
Carbon steel trowel reacting with the lime. Use clean stainless steel.

Cracking as it dries
Coat too thick, or forced drying (sun, drafts, heat). Thin coats, a full hour apart.

Drag marks, or no sheen
Burnished too soon or too late. Hand 30–40 min, polisher 90 min; if dry, mist and re-compress.

Crust or lumps in the pail
Pail left open: lime hardens on contact with air. Always keep it covered and remove the crust without mixing it in.

Peeling or blistering
No bonding primer on a smooth substrate, dust or film-forming paint. See table 02.

White haze or blotchy tone
Rain, cold or damp while curing, or uneven absorption. Keep dry 4 days; prime per table 02.

07 AFTER APPLICATION

- **Cleaning:** damp sponge and mild soap, not before 30 days. Never abrasives, bleach, acids or solvents
- **Touch-ups:** same batch, redoing the whole section corner to corner (a burnished patch shows). Keep leftover product in its sealed pail, frost-free and out of the sun: 18-month shelf life
- **Maintenance:** re-wax when water stops beading; in wet areas, recoat worn water-repellent

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