APPLICATION GUIDE

All Terrain 4x4 Primer

Multi-surface primer · from substrate to topcoat

EDITION 30.09.2026 USE WITH THE ALL TERRAIN 4X4 PRIMER TDS AND THE TOPCOAT'S APPLICATION GUIDE

01 THE SYSTEM AT A GLANCE

On smooth, non-porous, wood or metal substrates, mineral paint needs a bridge: one fully dry coat of All Terrain 4x4, then the Origen topcoat exactly as on any other substrate.

01 PREPARE — Substrate
Clean, dry and grease-free. Lightly sand any gloss.

→ **dry**

02 PRIME — All Terrain 4x4
1 coat, undiluted.

→ **24 h**

03 1ST COAT — Topcoat
Limewash, GrafGen™... per its guide.

→ **2–4 h** LIMEWASH

04 2ND COAT — Topcoat
Same technique as the 1st.

→ **30 d** LIMEWASH

05 CURE — Topcoat
No washing or scrubbing until the topcoat has cured.

02 WHAT TO DO ON EACH SUBSTRATE

SUBSTRATE	PREPARATION	PRIMER
Glazed tile or ceramic · glass	Clean, dry and degreased	**All Terrain 4x4 Primer**
Epoxy or polyurethane paint	Clean; lightly sand if glossy	**All Terrain 4x4 Primer**
Phenolic, fiber-cement or FRP panel	Clean, dry and grease-free	**All Terrain 4x4 Primer**
Granite	Clean, dry and dust-free	**All Terrain 4x4 Primer**
Wood and MDF	Sand, then blow off dust with compressed air	**All Terrain 4x4 Primer**
Sound metal: steel, stainless, aluminum	Rust- and corrosion-free; degreased	**All Terrain 4x4 Primer**
Concrete with form-release agent (or unknown)	On-site adhesion test, or prime	**All Terrain 4x4 Primer**
Stains on interior walls	Clean and dry surface	**All Terrain 4x4 Primer**
Rusted or corroded metal	Do not prime over rust	Technical Dept.
Smooth substrate under TerraGen™ plasters	Bonding bridge for mortars	**Primer Contac**

Gypsum plaster, stucco, CMU, brick or adobe don't take All Terrain 4x4: follow the substrate table in the topcoat's guide (Primer L44, MinerGen or nothing). Do not apply to surfaces in permanent contact with water. For any substrate defect, contact the Technical Department.

03 COVERAGE AND WAIT TIMES PER COAT

COAT	PRODUCT	DILUTION	COVERAGE / COAT	WAIT
PRIMER	**All Terrain 4x4 Primer**	Undiluted · **1 coat**	**400–480 ft²/gal**	24 h
TOPCOAT	**Limewash · GrafGen · EnluGen™**	Dilution, coverage and wait times per coat: follow the topcoat's own application guide		

Times at 77 °F and 60% RH; cold or humid conditions extend them. All Terrain 4x4 fully dry: 24 h. Coverage is indicative — test on site. Example: 300 ft² of tile ≈ 0.6–0.75 gal of All Terrain 4x4.

04 STEP BY STEP

1. **Check the substrate:** sound, dry and clean, with no loose old paint. Metal must be rust-free. New mineral substrates cured for 28 days.
2. **Clean thoroughly:** degrease tile, metal and panels; sand wood and gloss or satin paint, and remove the dust (on wood, with compressed air). Clean off algae, mold or mildew with suitable products.
3. **Mask** woodwork, glass and stone that are not being treated. Wipe splashes immediately with water.
4. **Mix All Terrain 4x4:** shake thoroughly until smooth. It is ready to use: do not thin or mix with other products.
5. **Apply one even coat** by brush, roller or sprayer, leaving no bare spots. **WAIT 24 H**
6. **Apply the topcoat** following its application guide. **WAIT TIMES PER THE TOPCOAT GUIDE**
7. **Protect while the topcoat cures:** Limewash on exteriors, no rain for at least 4 days and no washing or scrubbing for 30 days; other topcoats per their guide.

05 CONDITIONS & TOOLS

WORKING CONDITIONS

- Air and surface temperature **41 °F to 104 °F**
- No direct sun or sun-heated surfaces
- Never on surfaces in permanent contact with water
- Times given at **77 °F and 60% RH**

TOOLS

- Brush, roller or sprayer
- Ready to use: **do not thin**
- Clean tools with **warm water** right after use

06 COMMON MISTAKES AND HOW TO AVOID THEM

Paint peeling off tile
Grease or dust on the substrate, or painted without primer. Degrease and apply All Terrain 4x4 before the topcoat.

Topcoat applied too soon
The primer wasn't dry yet. Always wait 24 h before the 1st coat.

Thinned primer
It loses its bonding power. Use All Terrain 4x4 straight from the can.

Yellow stains on wood
Unsealed wood tannins bleeding through. Prime the whole surface with All Terrain 4x4 before painting.

Rust coming back
Primed over rusted metal. All Terrain 4x4 protects sound metal; it doesn't treat rust – contact the Technical Department.

Plaster not bonding
All Terrain 4x4 is a bridge for paints. Under TerraGen plasters, use Primer Contac.

07 AFTER APPLICATION

- **Care and cleaning:** as for the topcoat, per its guide; never solvents or abrasives on mineral finishes
- **Touch-ups:** if an impact or sanding exposes the smooth substrate, re-prime that area with All Terrain 4x4 and wait 24 h before touching up
- **Leftover product:** in its original sealed container, in a cool place protected from frost and sun; up to 24 months from manufacture

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