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Detailed instructions – TERRAZZO GraniTech over tile or new construction showers

- Note: Microterrazzo 600 Q is applied in 2 coats, TERRAZZO GraniTech Medium in 3 coats and TERRAZZO GraniTech Fine is applied after two layers of TERRAZZO GraniTech Medium have been applied first.
- Note: Use a no-black-marks beveled stainless steel trowel to avoid black marks – contact us to purchase.
- Note: A 120 grit is usually used for TERRAZZO GraniTech Medium and TERRAZZO GraniTech Medium, while a 80 grit may be used for Microterrazzo if one feels the 120 grit is not enough. This is highly dependent on application, a clean application with no chatter or trowel marks requires minimal sanding.

Preparation

Degrease thoroughly! Then if applicable close tile joints with TERRAZZO GraniTech Fine to “flush” the surface and apply fibermesh and quartz primer. If you are applying in a new construction shower make sure to use appropriate substrate (such as cement board) and waterproof the surface (using Shluter, Vidi Board, Red Gard or any other system one deems appropriate) Important: Cement board joints need to be taped to bring the surface to a very smooth and stable state. After the waterproofing is applied, a layer of thinset should be applied to ensure one has a smooth and stable substrate and not a smooth substrate (for example Shluter systems are often soft, our material can't be applied directly on there).

◆ Tooling Note – Use Only “No-Black-Marks” Trowels

Always use a **No-Black-Marks stainless steel trowel** for every TERRAZZO GraniTech finish.

- Standard carbon-steel blades can leave **metal streaks or dark marks** on light-colored finishes.
- “No-Black-Marks” INOX blades ensure a **perfect, stain-free surface** and maintain the product’s natural tone and clarity.
- Keep trowels **clean and polished** between coats to prevent contamination or surface scratching.
- Ask our team for our branded “no-black-marks” trowels or purchase directly on the website!



Primer and Fiberglass Mesh Application

After the surface has been leveled and flushed with thinset, apply the fiberglass mesh across the entire area, ensuring that all corners and joints are overlapped.

You may temporarily secure the mesh at corners using tape. Once the Quartz Primer is rolled on, it will function as an adhesive layer, firmly bonding the fiberglass mesh to the substrate.

Allow the Quartz Primer and fiberglass mesh to dry for at least 24 hours in a stable environment.

Ensure the area is free from excessive humidity or heat to promote proper curing. If necessary, use large fans or ventilation to maintain consistent airflow overnight and support optimal drying.

Important Note – Protecting the Surrounding Areas

- Proper surface protection is key to maintaining a clean and professional finish
- Cover all surrounding surfaces with plastic sheeting before starting.
- Map out your work zones and clearly define the sequence of areas to be completed.
- Isolate each section—use painter's tape or masking film on opposite corners to protect nearby walls, floors, and fixtures that are not being worked on.
- Always double-check protective coverings before mixing or applying material to prevent splashes or spills.

Mixing the Material

Before starting, confirm that each TERRAZZO GraniTech bucket is tinted with the **correct pigment type**.

Procedure:

1. **Use one (1) full bottle of pigment per bucket.**
2. **Match the pigment to the material type:**
 - *Medium bucket → Medium pigment*
 - *Fine bucket → Fine pigment*
3. **Verify the label:** Each pigment bottle has a checkmark on the back indicating whether it's *Medium* or *Fine*.
4. **Mix thoroughly:**
 - Stir or shake the pigment bottle to fully lift all sediment from the bottom—any residue left behind will cause color inconsistency.
 - Add **6.8 oz (200 ml) of clean water** into the pigment bottle, shake well, and pour the entire contents into the material bucket.
 - This dilution applies to **Medium, MicroTerrazzo, and Fine** finishes.
 - **Exception – “Cloud-like” or Limewash effect:**
When applying the *Fine* finish with a **brush** instead of a trowel for a soft, limewash appearance, increase dilution to **400–600 ml of water**.
For best results, apply one coat of *Medium* first, sand smooth, then apply the *Fine* coat with the higher dilution using a no-black-marks trowel.

⚠ Common Mistakes to Avoid

- **Leaving pigment sediment:** Always mix until the bottom of the bottle is completely clean.
- **Mismatching pigment types:** Verify *Medium* vs. *Fine* before tinting.
- **Over-diluting unintentionally:** Only exceed 200 ml of water when aiming for the limewash/brushed look on walls.
- **Skipping the medium base coat:** For the best brushed finish, always apply *Fine* over a sanded *Medium* base.
- **Partial pigment use:** Each bucket requires a **full pigment bottle** for consistent color across all surfaces. If one wants to use less than a full bucket

Material Application

Day 1: After 24 hours after primer and fiberglass mesh have been applied, apply one coat of material (Medium, Microterrazzo or Fine, depending on the desired finish).

Day 2: After drying, sand lightly with **120-grit sandpaper**, then apply the second coat.

Day 3: Once the second coat has dried, sand again with **120-grit**, and apply a third coat (if required by the system or substrate – Medium and Fine require 3rd coats in wet areas or floors, while Microterrazzo generally requires only 1-2 coats).

After the final coat: Wait **48 hours** before beginning the sealing process. Ensure the area is free from excessive humidity or heat to promote proper curing. If necessary, use large fans or ventilation to maintain consistent airflow overnight and support optimal drying.

Surface Preparation Before Sealing

Allow the surface to dry for **48 hours** prior to sealing.

After the 48-hour drying period, lightly sand the surface again with **120-grit sandpaper** to remove any irregularities and ensure optimal adhesion for the sealers.

Sealer Application

Apply **one coat of sealer per day**, sanding lightly between coats with **120-grit**.

- **Day 1:** Apply **Armourcoat Single-Component Sealer (Satin)**.
 - Coverage: approximately **0.56 oz/sq ft** ($\approx 171 \text{ g/m}^2$).
- **Day 2 (Recommended to apply 2 coats of satin sealer):** Lightly sand with 120-grit, then apply a **second coat of Armourcoat Single-Component Sealer (Satin)**.
- **Day 3 :** Lightly sand again (120-grit), then apply **Armourcoat Anti-Slip Two-Component Sealer (Matte)**.
 - Mixing Ratio: **5.25 : 1 (Part A : Part B)**
 - Coverage: approximately **0.26 oz/sq ft** ($\approx 80 \text{ g/m}^2$)
 - **Example:** For a bathroom measuring **323 sq ft** ($\approx 30 \text{ m}^2$), you'll need roughly **84.6 oz total** ($\approx 2.4 \text{ kg combined A + B}$):
 - Part A $\approx 73.7 \text{ oz}$ ($\approx 2.09 \text{ kg}$)
 - Part B $\approx 14.1 \text{ oz}$ ($\approx 0.40 \text{ kg}$)

⚠ Mixing the Matte Sealer

When using the Armourcoat Anti-Slip Two-Component Sealer (Matte Finish), mix only the amount required for immediate use.

This product is a reactive two-component system, meaning it will begin to harden shortly after mixing.

For this reason, it is supplied in separate components (Part A and Part B) to ensure proper shelf life and performance.

Avoid mixing large quantities at once — prepare smaller batches that can be applied within the working time.

⚠ Wall Sealer Options

Walls may be finished in either a **satin** or **matte** appearance, depending on the desired aesthetic and performance requirements:

- **Satin Finish:** Use **Armourcoat Single-Component Sealer**.
This is the **most durable** option and can serve as a **standalone finish** if a satin sheen is preferred.
- **Matte Finish:** Use **Armourcoat Anti-Slip Two-Component Sealer**.
This may also be applied as a **standalone sealer on walls only**, but it is **not suitable as a standalone system for floors**.

For best results, a **minimum of two sealer coats** should always be applied — ideally **three**. More coats of sealers always result in higher stain resistance and durability.

When a **matte finish** is desired, it is **recommended to first apply 1–2 coats of the satin sealer** to establish a durable base layer, followed by the matte sealer as the final coat.

Alternatively, the matte sealer may be used alone on wall applications where lower wear resistance is acceptable.

Material Thickness per Coat

For optimal performance and curing, maintain the following **application thickness per coat**:

- **TERRAZZO GraniTech Medium:** 1 mm per coat
- **TERRAZZO GraniTech Fine:** 1 mm per coat
- **TERRAZZO MicroTerrazzo:** 2 mm per coat

Do not apply material too thickly. Any excess should be **scraped back into the bucket** immediately.

Over-application will **impair curing, compromise adhesion, and artificially increase material consumption and cost.**

Application Tips:

- Drain excess sealer well from the paint tray.
- Apply **only a thin coat**, as shown in the training video.
- Excess material will cause **spots or uneven sheen**.
- Apply in a **cross-cross (criss-cross) motion** — first horizontally, then vertically.

 **Video:** <https://youtu.be/KAGm3IfOzNE>