

VICACEM-TERRA GRIP®

Edition 02025

Flexible, Two Component, Finishing Coat for floors, walls & pool decks

Description

VICACEM-TERRA GRIP is a Two component, flexible finishing coating for concrete floors, walls & pool decks, based on a blend of Portland cement & Vicat special binders, siliceous graded fillers, additives (part A) and modified polymer dispersion (part B). After mixing part A with part B, it will produce workable slurry that can be applied by brush, trowel or spraying.

Advantages

- Flexible with slight crack bridging abilities.
- Very low capillary absorption with good breathability.
- Resists carbonation for excellent protection to steel reinforcement
- Formulated for short and long term efficiency.
- Doesn't need surface smoothing before application.
- Economic and easy to apply.
- Excellent wear resistance.
- Suitable for potable water & Sea water.
- Excellent adhesion.
- Can be used indoor and outdoor.
- Good UV resistance.
- Anti-skid when spray applied.

Uses

VICACEM-TERRA GRIP can be brush applied or sprayed to give a soft feel, sandy effect. **VICACEM-TERRA GRIP** can also be colored to multiple colors to fulfil any design requirements. **VICACEM-TERRA GRIP** can be used in but not limited to the following:

- **Patios and Decks**
Perfect for creating a slip-resistant, durable surface for outdoor entertaining areas.
- **Beachfront Properties**
Designed to withstand sandy, coastal environments while maintaining a seamless, natural appearance.
- **Rooftop Terraces**
Provides a stylish yet practical solution for urban outdoor spaces exposed to the elements.
- **Pool Surrounds**
Ideal for providing a safe, textured finish around pools to prevent slips and enhance aesthetics.
- **Driveways and Walkways**
Offers a tough, long-lasting coating for high-traffic areas, blending functionality with a natural aesthetic.
- **Recreational Areas**
Ensures a safe, textured surface for children's play areas or outdoor sports courts.
- **Garden Pathways**
Adds a natural, rugged look to garden walkways while ensuring durability and weather resistance.
- **Commercial Outdoor Spaces**
Suitable for restaurants, resorts, and public areas where a durable, slip-resistant surface is essential.
- **Campgrounds and Picnic Areas**
Enhances outdoor recreational spaces with a natural, rugged finish that complements the environment.

Standards & Specifications

Color	Off White & beige (other colors are available upon request)
Toxicity	Non-toxic
Pot life / Drying Time	40mins at 24° C / ≈ 120 mins at 24° C
Fresh density(by Brush)	1.8 Kg/liter
Adhesion to concrete substrate	≥1.0 N/mm ²
Substrate temperature	+5 ° C to +35 ° C
Mixing ratio	15kg powder (Part A) : 5kg liquid polymer (Part B)
Crack bridging abilities: EN 14891 - A.8	Unreinforced: ≥ 1.0 mm Under standard conditions
Elongation at break: ASTM D412	10 % Under standard conditions
Tensile Strength / E-modulus	2.4 Mpa / 14.0 Mpa
Impermeability to water, expressed as capillary absorption (kg/m ² ·h ^{0.5}): EN 1062-3	≤ 0,1 kg/m ² · h ^{0.5}
Impermeability to water under pressure 3.0 bar for 7 days of positive lift: EN 14891-A.7	No penetration when brush applied

Package & Coverage

VICACEM-TERRA GRIP is supplied in a group of 15kg bag (Part A) + 5Kg liquid polymer (Part B). After mixing Part A with Part B, the 20 Kg yields about 11 liters of slurry. The rate of consumption is 1.5 - 2.0 kg/m² for two perpendicular applied coats depending on the substrate. If spray applied, the consumption may increase up to 3.0 kg/m².

The minimum number of coats is two coats; additional coats may be required for full coverage. Allowance should be made for any possible wastage when estimating. Various colors are available for large orders.

Application Instructions

Surface preparation:

All substrates should be clean, free from dust, loose particles, grease, oil or any other foreigner matter. All concrete surface defects (Honey combs, Rock pockets, air voidsetc.) should be repaired following a proper repair procedure, using **VICASEAL MORTAR** or **VICAREP-F**. The final shape depends on the smoothness and regularity of the substrate. It is recommended to repair and level all the substrates using **VICAREP-F & VICABOND** prior to the application of **VICACEM-TERRA GRIP**. Before applying **VICACEM-TERRA GRIP**, all surfaces should be saturated with water with no running water (saturated surface dry) and then primed using **PRIMER-A42** directly before application.

Priming:

- Mix **PRIMER-A42** with water at a ratio of 1:1 up to 1:2 depending on the substrate absorbency.
- Generously prime all the surfaces using **PRIMER-A42** and start applying **VICACEM-TERRA GRIP** as soon as the primer becomes tacky which is about 20 minutes depending on the ambient temperature and humidity.

Mixing:

- In a suitable container add $\frac{3}{4}$ the quantity of the liquid (part B) and mix with a slow speed drill (350 - 450) rpm.
- While mixing, gradually add the powder (part A) and continue mixing to get rid of any lumps.
- Add the rest of the liquid (part B) and continue mixing until the slurry is homogeneous.
- For spray application, up to 1 liter of clean water can be added to facilitate the spraying process.

Application:

- For brush application:
 - The slurry will be applied to the primed surfaces using a suitable brush at the rate of at least two perpendicular coats with a rate of consumption of 0.75 to 1.0 kg/m² for the single coat.
 - Apply the second coat as soon as the previous one is dry enough to receive it (about 2-6hrs depending on temperature and humidity). Additional coats are optional and depend on the water head and substrate conditions. The final coat can be smoothed using a trowel after painting.
 - When reinforcing is required, Coated Fiber Glass Mesh is embedded between the first two coats (Refer to our technical office).
- For Spray application:
 - Use a texture paint spray gun with a 4mm nozzle at 4-5 bar pressure with adjustable material flow.
 - Spray at a distance of about 50 cm, large distances will cause debonding. don't over spray to avoid any lumps.
 - Spray the second and the third coat if needed when the previous coat is totally dry.
 - **If the surface texture is very rough, it is recommended to be sanded before sealing.**

Sealing:

- **VICACEM-TERRA GRIP** must be well sealed using an appropriate sealer such **ACRYVAR-WM5** OR **PURVASEAL-PA70** if left exposed.
- **PURVASEAL-PA70** will increase its life time and enhance its wear resistance and UV stability.

Precautions:

- Protect the **VICACEM-TERRA GRIP** bags (part A) from direct sun rays or any other source of heat before use, this can lead to a very fast setting. Protect the liquid (part B) from frost. Never apply more than 3kg/m² for one layer.
- Avoid working on hot substrates. Protect the freshly applied material from frost and rain until totally dry.
- Under any circumstances, never re-temper with water.
- After application, **VICACEM-TERRA GRIP** should be allowed to self-cure for at least 2 days before any water contact.
- **VICACEM-TERRA GRIP** must be protected from direct sun light and excessive wind.
- **Avoid contact with gypsum or any other sulfates on substrate, mixing water or curing water in plastic state.**
- **Clean the used tools immediately with water before the material hardens.**

Health and safety

VICACEM-TERRA GRIP is alkaline and should not come into contact with skin or eyes. Avoid inhalation of dust during mixing and wear safety glasses, dust mask and gloves. If skin contact occurs, wash thoroughly with clean water. Should eye contact occur, rinse immediately with plenty of clean water and seek medical advice.

Storage & shelf life

VICACEM-TERRA GRIP should be stored in normal temperature and closed shaded dry area in undamaged original packing. It is recommended to be re-tested after 6 months from the production date.

Technical support

For any technical support, please consult our technical office or representatives. Check our website for the latest version of the Technical Datasheet.

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