

TITAN BASE

Base coat for reinforcing the substrate before the application of microcement



DESCRIPTION

TITAN BASE is a two-component primer for reinforcing the substrate and pasting fiberglass mesh before the application of microcement. Thanks to the use of aggregate with a fraction of about 0.5 mm, the product provides excellent adhesion and durability, creating a solid base for further finishing layers.

WHERE TO USE?	PROPERTIES
<ul style="list-style-type: none"> • on all kinds of floors • on floors with underfloor heating • in places where the substrate is insecure • on self-levelling screeds 	<ul style="list-style-type: none"> • very high adhesion to many types of substrates • high hardness • ease of application

The **TITAN BASE** system consists of:

- **TITAN BASE** - base coat (A component)
- **TITAN HARDENER** - hardener for base coat (B component)

PACKAGING

TITAN BASE product is supplied in packages:

- Kit 16 + 1,6 kg (15 kg **TITAN BASE** and 1,6 kg **TITAN HARDENER**)
- Kit 8 + 0,8 kg (8 kg **TITAN BASE** and 800 g **TITAN HARDENER**)

CLEANING OF TOOLS

Clean equipment and tools immediately after use with water. Remove the bound material mechanically.

STORAGE

The products included in the **TITAN BASE** system can be stored for 18 months in original sealed packaging and in a dry place at temperatures from +10°C to +25°C, away from heat sources. Protect from frost.



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SURFACE PREPARATION

The substrate must be stable and load-bearing. In the case of cement screeds, the substrate's concrete grade must be a minimum of C16/20 (B20) with a minimum pull-off strength tested by the pull-off method of 1 N/mm². The moisture content of the substrate must not exceed 3%.

For anhydrite screeds, residual moisture must not exceed 0.5% CM for screeds without underfloor heating and 0.3% CM for screeds with underfloor heating.

A system waterproofing should be used in wet areas.

Before starting the work, the floor heating must be activated and tested to the highest temperatures used, a maximum of 72 hours before the application of the FESTFLOOR system, the floor heating must be turned off. In case of weak substrates, they should be reinforced. Cement milk, other coatings and any contamination from, for example, gypsum, oil, asphalt, etc., should be removed by sanding or blasting and vacuuming. If the substrate is uneven or non-homogeneous, it should be sanded down or leveled with self-spreading screeds or epoxy screed. Replenish defects with epoxy mortar or repair mortars.

Prime the concrete substrate with **FESTGRUNT** (1 or 2 coats, as needed) and wait about 2-4 hours for it to dry.

MESH EMBEDDING

After priming the substrate with **FestGrunt**, proceed to paste the fiberglass mesh.

- 1) using **TITAN BASE** coat. Place the mesh on the substrate and cut it to fit the room. Then prepare the ingredients and apply the mass on the grid. The application of **TITAN BASE** is described below.
- 2) **Using an additional liquid polymer, FestLiquid.** Spread the mesh on the substrate and cut it to fit the room. Before opening **FestLiquid**, shake it up, pour it into a paint tray and spread it on the mesh with a microfiber roller. After 2-4 hours, when the polymer has dried, you can proceed to the preparation and application of the primer layer, **TITAN BASE**.

MIXTURE PREPARATION

TITAN BASE is supplied in two components: primer (component A) and hardener (component B), which, when combined, produce an easy-to-apply flooring compound. The suggested dosage ratio of the components is 100:10 (100 parts of component A to 10 part of component B).

In order to measure the ingredients accurately, all components should be weighed on precision electronic scales. The application temperature is 15°C-25°C. Application at higher temperatures will significantly reduce the setting time. Application at lower temperatures may lead to insufficient setting of the material.

Ensure that the room is well lit before starting work. Draughts should be avoided. Other site work that creates dust and other debris that can move should be stopped.



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During the work, it is recommended to use plastic shoe protectors to avoid staining the floor. **TITAN HARDENER** should be stored before and during application in a cool, shaded place.

Pour **TITAN HARDENER** hardener (component B) into **TITAN BASE** primer (component A) and mix with a basket mixer at slow speed. The whole mixture should be mixed until a homogeneous mass is obtained. After mixing, you can proceed to apply the material on the previously prepared substrate.

APPLICATION

1. It is necessary to prepare such an amount of mass that is sufficient for application over the entire surface. Spread the mass on the surface with a trowel and sink the mesh into it. After 6-12 hours, when the material has completely set and is dry, sand the floor with a diamond pad with a gradation of 50. Hard-to-reach places (corners, along walls, etc.) should be sanded with eccentric manual sanders. The whole area should be vacuumed.
2. Then proceed to the application of the second layer, in which the mesh is no longer embedded. After 6-12 hours, when the floor dries, it should be sanded like the first one: with a diamond pad with a gradation of 50. After this time, you can proceed to the application of microcement.

ADDITIONAL INFORMATION - MATERIAL CONSUMPTION

L.P.	LAYER	MATERIAL	CONSUME
1	Existing concrete substrate	-	-
2	First layer of primer	FEST Grunt	Approx 0,2-0,3 kg/m ²
3	Second layer of primer [optional]	FEST Grunt	Approx 0,2 kg/m ²
4	First layer of base coat [with mesh - optional]	TITAN BASE + mesh	Approx 1-1,2 kg/m ²
5	Second layer of base coat	TITAN BASE	Approx 0,8-1,0 kg/m ²

SAFETY AND HEALTH

The product is intended for professionals. Before starting work, familiarize yourself with the Safety Data Sheets of the components included in the system available upon request (e-mail: hello@festfloor.com). Avoid contact with skin, mucous membranes, eyes, etc. In case of accidental contact, wash with soap and water and seek medical advice. Take measures to prevent dusting or splashing with mortar. Keep out of the reach of children. It is recommended to use masks and gloves. In enclosed areas, ensure good ventilation and avoid inhaling dust.



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