

FESTFLOOR BASE

Decorative multicolored microcement floor system for indoors



DESCRIPTION

FESTFLOOR Base is a polymer-cement system for creating seamless surfaces on existing substrates such as: cement screed, anhydrite screed, ceramic tiles, OSB boards, etc.

APPLICATION AND USES	ADVANTAGES
<ul style="list-style-type: none"> • Floors in apartments, restaurants, offices, etc. • Cladding of walls and pillars in houses and apartments • As an exclusive furniture finish and kitchen worktops • Door finishing • Strengthening the substrate (along with a glass fiber mesh) • Base layer for subsequent microcement layers 	<ul style="list-style-type: none"> • High adhesion to any surface • Total thickness 1,5-2mm • Water-resistant • Resistant to UV rays • High resistance to rubbing/wear • Easy to clean and maintain • Endless patterns, textures, designs • Infinite combination of colors • Fast and easy to apply

SUBSTRATE PREPARATION

The substrate should be firm and free of moisture. The substrate concrete strength class should be at least C16/20 (B20). The concrete substrate must be sound and of sufficient compressive strength with a minimum pull off strength of 1 N/mm². Substrate humidity cannot 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.

System waterproofing should be used in wet zones.

Before the application on the floor surfaces, the floor heating must be tested and turned off 72 hours before application of **FESTFLOOR Base**. The surface shall be free of dirt, oil, grease, laitance and other contaminants that may act as bondbreakers.



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All unsound concrete should be removed to ensure a good bond. Mechanically clean the surface by shotblasting to allow proper bonding. Weak concrete substrate must be removed and surface defects such as blow holes and voids must be fully exposed. Repairs to the substrate, filling of blowholes/voids and surface levelling must be carried out using appropriate products.

All dust, loose and friable material must be completely removed from all surfaces before application of the product, preferably by brush and/or vacuum. Coat concrete surface with **FEST Grunt** and leave to dry. Use 1 or 2 coats depending on your needs. Interval between coats should be not less than 2-4 hours. For non-concrete substrates as OSB boards or tiles use **FEST Kontakt** together with the fiberglass mesh to strengthen the substrate. Wait 4-6 hours between the application of subsequent layers. Spread the mixed material evenly with a trowel.

MIXTURE PREPARATION

FESTFLOOR Base two-component polymer modified cementitious coating is supplied in pre-packaged form: white cementitious powder and liquid polymer. The mixture should be mixed at a ratio of 1 part of liquid polymer to 2.5 to 3.5 parts of white powder. We recommend the use of digital scale to weight the components.

The temperature before any mixture and laying of the material should be between 15°C and 25°C. Do not use in the case of extreme temperatures or in windy conditions.

Before commencing work, ensure good lighting of the room. Avoid drafts. Other construction works that cause the formation of dust and other contaminants that can move should be discontinued. Liquid polymer should be stored before and during application in a cool, dark place. Prior to application, mix it for 3 minutes using a slow speed drill fitted with a mixing paddle.

When mixing the ingredients, it is recommended to gradually add the powder to the polymer and mix continuously. This will avoid caking the material. The whole should be stirred for 3 minutes to a homogeneous mass. Mixed microcement pot life is proximately 1 hour, do not mix more material than you can apply.

COLORING

When applying microcement with fiber glass mesh in order to strengthen the substrate, there is usually no need to dye the microcement.

Decorative multicolored microcement floor system **FESTFLOOR Base** comes in two components: dry white mass and liquid polymer which, when mixed, give a beige color. For other colors, use **FEST Color** pigments.

You need to prepare the amount of polymer to cover the entire surface. For this purpose, **FEST Color** should be poured into the liquid polymer according to the color chart or in predetermined proportions.

Both components - liquid polymer and **FEST Color** should be mixed for 3 minutes to completely dissolve the dye in the polymer.



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APPLICATION

You should prepare the amount of mass so that it is enough for application all over the surface. Spread the entire surface using trowel and other metal tools for a thickness of no more than 1 mm.

The application should be executed with fast, vigorous movements in different directions depending on the expected effect. Subsequent batches of material should be applied wet to wet, moving from the windows towards the exit. Do not make work breaks during application.

When using a fiberglass mesh, place it directly into the freshly laid mass.

After about 4 hours, when the material is completely tied and dry, grind the floor with single disc floor grinder (sanding machine) with 60 - 120 grit sandpaper (depending on the desired effect).

Hard-to-reach areas (corners, walls, etc.) should be sanded with eccentric hand grinders. The surface should be vacuumed. Then proceed to the next layer application like the first one.

During work, it is recommended to use shoe covers to avoid dirt on the floor.

Once the last coat has dried, sand it with a single disc floor grinder (sanding machine) with 80-grit sandpaper or more (depending on the desired effect). After the last coat, leave the floor for 4-6 hours to dry completely. After this time you can proceed to sealing.

SAFETY AND HEALTH

Product for professional users only. Read technical sheets of all components of the system available on www.festfloor.com. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. In case of contact with skin, wash thoroughly with soap and water. If ingested, seek immediate medical attention. Do not induce vomiting. Wear gloves and goggles when handling and applying the product. In open spaces, special protection is not required. In closed enclosures, provide fresh air with a system of appropriate ventilation. Use breathing mask.

CLEANING OF TOOLS

Cleaning of tools should be carried out with water and, if the material dries on the tool, it should be removed with sandpaper.

PACKAGING

FESTFLOOR Base is available in packages:

- Kit 15+5 (15 kg **FEST Powder** and 5 kg **FEST Liquid**)
- Kit 9+3 (9 kg **FEST Powder** and 3 kg **FEST Liquid**)

STORAGE

The products included in the **FESTFLOOR Life** system can be stored for 12 months in originally closed packaging and in a dry place at temperatures from + 10°C to +25°C away from heat sources. Protect against frost.



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ADDITIONAL INFORMATION - CONSUME

No.	LAYER	MATERIAL	CONSUME
1	Existing concrete substrate	-	-
2	1st layer of primer	FEST Grunt	Approx 0,2-0,3 kg/m ²
3	2nd of primer [optional]	FEST Grunt	Approx 0,2 kg/m ²
4	1 st layer of FESTFLOOR Life base microcement + fiberglass mesh [optional]	FEST Liquid, FEST Powder, FEST Color	Approx 1,0 - 1,2 kg/m ²
5	2 nd layer of FESTFLOOR Life base microcement	FEST Liquid, FEST Powder, FEST Color	Approx 0,5 - 0,8 kg/m ²



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