

FESTFLOOR Life

Technical Sheet

Decorative multicolored microcement floor system for indoors

SYSTEM DESCRIPTION



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

Its functionality and unique appearance make it ideal for apartments, houses, shops, exhibitions, hotels and restaurants. **FESTFLOOR Life** is also suitable for the production of floors, walls, ceilings, as well as cladding of furniture and countertops.

APPLICATION AND USES	ADVANTAGES
<ul style="list-style-type: none">• Floors in flats, restaurants, offices, etc.,• Ceilings with seamless faux concrete finish• Thanks to its water resistance - high impermeability to liquids and vapor - it is suitable for bathrooms and showers• Walls in flats and houses• Stylish finishing of furniture, door and kitchen countertops	<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


FESTFLOOR Life SYSTEM

- **FEST Grunt** – primer
- Two-component decorative multicolored microcement floor system:
FEST Liquid and **FEST Powder**
- **FEST Color** – liquid pigment
- Sealing – **PU FEST 2K** extremely hard wearing, polyurethane-based super sealer for maximum floor protection.

APPLICATION CONDITIONS

- Air and substrate temperature: +15° C ÷ +25° C
- Relative air humidity: up to 60%
- Substrate humidity: up to 3%

SUBSTRATE PREPARATION



The substrate should be firm and free of moisture. The substrate concrete strength class should be at least C20/25 (B25). 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 Life**.

In case of weak foundations, they should be reinforced. To protect the concrete screed against the transmission of cracks, it is recommended to use the product **FESTFLOOR Base** together with a fiberglass mesh.

The surface shall be free of dirt, oil, grease, laitance and other contaminants that may act as bondbreakers. 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. (tego chyba nie ma teraz w polskiej)



MIXTURE PREPARATION

FESTFLOOR Life 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 open time is proximately 1 hour, do not mix more material than you can apply.

COLORING



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

A sufficient quantity of coloured polymer needs to be prepared to cover the entire applied surface. For this purpose, **FEST Color** should be poured into the liquid polymer according to the colour chart or the previously established proportions. Both components - liquid polymer and **FEST Color** - should be mixed for 3 minutes in order to complete dissolution of the pigment in the polymer. For colours S1-S5 and FL01-FL11, the whole pack of 200ml should be poured into 5l of component B of **FESTLiquid**. For colours S6 and FL12 pour the entire two 200ml packs into 5l of **FESTLiquid** B.



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. 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.



SEALING

The surface must be perfectly hardened, load-bearing, dry, clean and free of dust, waxes and oils. The container with **PU FEST 2K** sealer should be well shaken. Add hardener as indicated on the package. The hardener in a ratio of 5: 1 (5 parts by weight of component A: 1 part by weight of component B) is poured into the container with varnish and mixed thoroughly. Then add 10% water in relation to the whole weight of components A and B (e.g. 5kg of component A + 1kg of component B + 0.6kg of water) and mix. Leave the container open for about 10 minutes, then mix again. Apply with a high-quality roller with a bristle length of min. 8 mm. The second layer of **PU FEST 2K** sealer can be applied after 4 hours without the need to sand or after 24 hours after sanding the surface with 220 grit sandpaper.

Do not apply PU FEST 2K sealer on damp substrates and during the hottest hours of the day, when weather conditions are not favourable.

In addition, in places exposed to increased pedestrian traffic, water and dirt, you can use **FESTPrimer** undercoat or **3K PLUS** additive. These products are not mandatory, the **PU Fest 2K** sealer itself provides high resistance. Additional products are used to extend the service life of the sealer.

The surface is dry and can be touched and other work carried out after about 12 hours. Fully cured after 7 days. Water resistance after 7 days. High humidity and low temperature as well as poor ventilation can extend the time given.

The floor can be used after 12 hours.

It will become water resistant after 7 days.

The usage instructions refer to conditions: 22°C and 50% humidity. Lower temperatures and higher humidity can increase the drying time of the products.



CLEANING AND FLOOR MAINTENANCE

FESTFLOOR Life floors are decorative floors, so you should pay special attention to its use and care:

- use water for daily cleaning
- we recommend placing felt pads under furniture - chairs, tables, etc. to evenly load objects and reduce scratches
- remove spilled substances and other impurities immediately after soiling, especially during the first period of using the floor
- remove harder dirt with a neutral pH floor cleaner, eg **FEST Cleaner**
- not use products with low PH and those that may cause discoloration
- before using a new product for cleaning, it is recommended to make a test in an invisible place

More information can be found in the instructions for use of Festfloor microcement decorative coatings

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 Life is available in packages:

Package of 3,5 kg – 1 kg of **FEST Liquid** and 2,5 kg of **FEST Powder**

Package of 17,5 kg – 5 kg of **FEST Liquid** and 12,5 kg of **FEST Powder**

Liquid pigment **FEST Color** is available in packages of 200ml.

In addition, FEST Liquid is available in packages of 1kg, 5kg.

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.

SAFETY AND HEALTH



Product for professional users only. Read technical sheets of all components of the system available on www.festfloor.eu. 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.

ADDITIONAL INFORMATION – CONSUME

No.	LAYER	MATERIAL	CONSUME
1	Existing concrete substrate	-	-
2	1 st layer of primer	FEST Grunt	0,1-0,3 kg/m ²
3	2 nd of primer [optional]	FEST Grunt	0,1 kg/m ²
4	Adhesion promoter + fiberglass mesh [optional]	Festfloor Life Base + mesh	1,5-2,0 kg/m ²
5	1 st layer of <i>FESTFLOOR Life microcement</i>	FEST Liquid, FEST Powder, FEST Color	0,7-1,0 kg/m ²
6	2 nd and subsequesnt layers of <i>FESTFLOOR Life microcement</i>	FEST Liquid, FEST Powder, FEST Color	0,5-0,7 kg/m ²
7a	Sealing – undercoat [optional]	FESTPrimer	0,05-0,1 kg/m ²
7b	Sealing – sealer	PU FEST 2K, PU FEST Turbo	0,12 kg/m ²
7c	Sealing – sealer additive [optional]	3K Plus	0,01 kg/m ²

FLOOR CROSS SECTION LAYERED SCHEME
