

FESTFLOOR Life

Technical Sheet

Decorative multicolored microcement floor system for indoors

SYSTEM DESCRIPTION



FESTFLOOR Life is a two-component system composed of a polymer mixed with a special cement mixture for everyone looking for jointless finishing floors without structural dilatation joints. It might be applied on cement grout, ceramic tiles, OSB boards, etc. It is an innovative product suitable for all kind of environments. It quickly covers unsightly joints and fissures and offers a stylish and practical solution to transforming large surfaces such as walls, floors, ceilings, kitchens, bathrooms, countertops, showers, wet rooms and swimming pools.

Microcement is ultra-thin-layer compound made of concrete and special resins. After mixing it can be applied on floors, walls, and even furniture, often with decorative texture. Microcement is finished with the top coat sealer available in mat, satin and glossy.

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 and kitchen countertops 	<ul style="list-style-type: none"> • High adhesion to any surface • Total thickness 1,5-2mm • 100% waterproof • Easy to clean and maintain. • Resistant to UV rays • High resistance to rubbing/wear • Endless patterns, textures, designs • Infinite combination of colors • High thermal conductivity when installed over underfloor heating. • FESTFLOOR Life is safe for floors with underfloor heating as it does not release any harmful substances into the atmosphere. • Fast and easy to apply – the floor can be ready in less than 4 days. • Safe and environmentally-friendly, FESTFLOOR Life is a water based product.

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.



SUBSTRATE PROTECTION

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 4%.

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. 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.



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 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. Please refer to the color chart at the end of this sheet – for other colors, please contact us. 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.

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.

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. Full water resistance after 7 days. High humidity and low temperature as well as poor ventilation can extend the time given.



CLEANING AND FLOOR MAINTENANCE

FESTFLOOR GO! 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

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 100g and 250g.

In addition, **FEST Liquid** is available in packages of 1kg, 5kg and 10 kg.

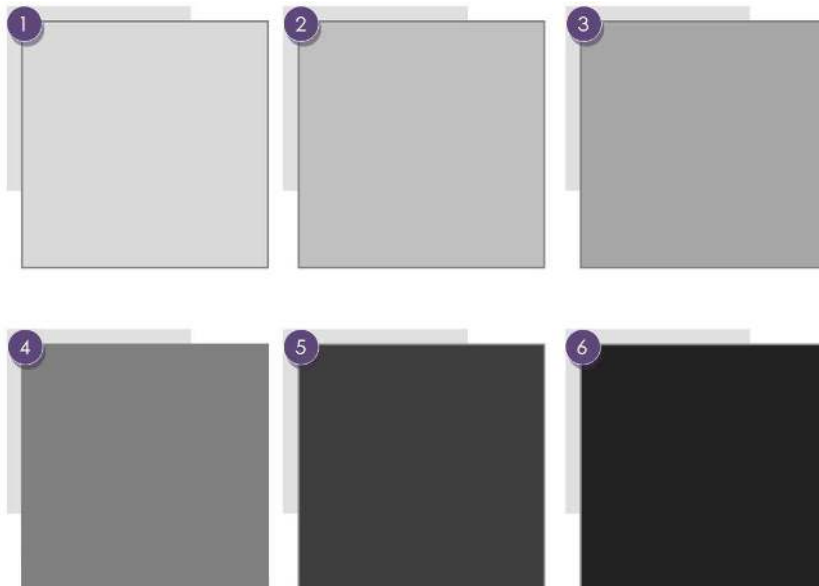
SAFETY AND HEALTH



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.

COLOR CHART

No.	FESTFLOOR Life color	Liquid polymer – component A FESTFLOOR Liquid [g]	Powder – component B FESTFLOOR Powder [g]	Pigment FEST Color [g]
1	Pyrite	400	1000	1
2	Light grey	400	1000	2
3	Natural concrete	400	1000	5
4	Titanium	400	1000	10
5	Graphite	400	1000	20
6	Basalt grey	400	1000	60
7	FL01-FL12	Add the entire content of the pigment [200 ml] to the entire package of 5 kg of component B FESTLiquid and mix thoroughly. Then, the colored component B FESTLiquid should be mixed with the FESTPowder dry mass.		



ADDITIONAL INFORMATION – CONSUME

No.	LAYER	MATERIAL	CONSUME
1	Existing concrete substrate	-	-
2	1 st layer of primer	FEST Grunt	0,2-0,3 kg/m ²
3	2 nd of primer [optional]	FEST Grunt	0,2 kg/m ²
4	Adhesion promoter + fiberglass mesh [optional]	FEST Kontakt	1,5 kg/m ²
5	1 st layer of <i>FESTFLOOR Life microcement</i>	FEST Liquid, FEST Powder, FEST Color	1,0 kg/m ²
6	2 nd and subsequent layers of <i>FESTFLOOR Life microcement</i>	FEST Liquid, FEST Powder, FEST Color	0,5 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



TECHNICAL DATA SHEET

TEST	RESULTS
Thickness	From 1 to 2 mm
Dry to touch	1-2 hours (20°C)
Dry to transit	12 hours (20°C)
Recoating Time	2-5 hour
Total Coats	Minimum 2
Total Time	24 hours (20°C)
Adhesiveness	>1,0 N/mm ² , test UNE-UN 13892-8
Water Absortion	0,00 ml, test UNE-EN 1323
Slip Resistance	15, test UNE ENV 12633
Stripe Resistance	Hardness 2, test UNE 67.101
Fire Resistance	A1
Storage Conditions	Keep closed in original container in a dry and fresh environment
Shelf life	6 Months in a closed container
Density	1,75 kg/dm ³