

# FESTFLOOR Life

## Decorative multicolored microcement floor system for indoors



### DESCRIPTION

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**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"> <li>• Floors in flats, restaurants, offices, etc.</li> <li>• Ceilings with seamless faux concrete finish</li> <li>• Thanks to its water resistance and high impermeability to liquids and vapor, it is suitable for bathrooms and showers</li> <li>• Walls in flats and houses</li> <li>• Stylish finishing of furniture, door and kitchen countertops</li> </ul>	<ul style="list-style-type: none"> <li>• High adhesion to any surface</li> <li>• Total thickness 1,5-2mm</li> <li>• Water-resistant</li> <li>• Resistant to UV rays</li> <li>• High resistance to rubbing/wear</li> <li>• Easy to clean and maintain.</li> <li>• Endless patterns, textures, designs</li> <li>• Infinite combination of colors</li> <li>• Fast and easy to apply</li> </ul>

### FESTFLOOR Life

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Basic 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 durable, polyurethane-based sealer for maximum floor protection.

### STORAGE

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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.

### PACKAGING

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**FESTFLOOR Life** is available in packages:

- Kit 3,5 kg - 1 kg **FEST Liquid** and 2,5 kg **FEST Powder**
- Kit 17,5 kg - 5 kg **FEST Liquid** and 12,5 kg **FEST Powder**
- Liquid pigment **FEST Color** is available in packages of 100 ml and 200 ml.
- In addition, **FEST Liquid** is available in packages of 1 kg, 5 kg.

### CLEANING OF TOOLS

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



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## FLOOR SUBSTRATE PREPARATION

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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/mm<sup>2</sup>. 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.

**Waterproofing system should be used in wet zones.**

Before starting the work, the underfloor heating must be started and tested to the highest temperatures used, a maximum of 72 hours before the application of the **FESTFLOOR Life** system, the underfloor heating must be turned off. In case of weak substrates, they must be reinforced. The use of **FESTFLOOR Base** product together with a fiberglass mesh is recommended to protect the cement screed from the transmission of cracks. Cementitious milks, 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 **FEST Primer** (1 or 2 coats, as needed) and wait about 2-4 hours for it to dry.

## WALL SUBSTRATE PREPARATION

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The surface should be smoothed, vacuumed of all dust and dirt. In the case of ceramic and porcelain stoneware tiles, the substrate should be cleaned of any dirt, stains by grinding with a diamond disc (in order to so-called tarnish the glazed layer / grind the glaze). The defects and joints should be replenished. The moisture content of the substrate must not exceed 3%.

In wet areas, use a system waterproofing.

Apply a coat of **FEST Primer** (1 or 2 coats, as needed) with a roller to the surface prepared in this way, and wait about 2-4 hours for it to dry. For substrates other than concrete, such as OSB or tiles, apply **FEST Kontakt** together with fiberglass mesh to reinforce the substrate. Spread evenly with a trowel. Wait 4-6 hours between applying successive coats.

## MIXTURE PREPARATION

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**FESTFLOOR Life** two-component polymer modified cementitious coating is supplied in prepackaged 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, make sure to provide 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

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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.



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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

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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

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



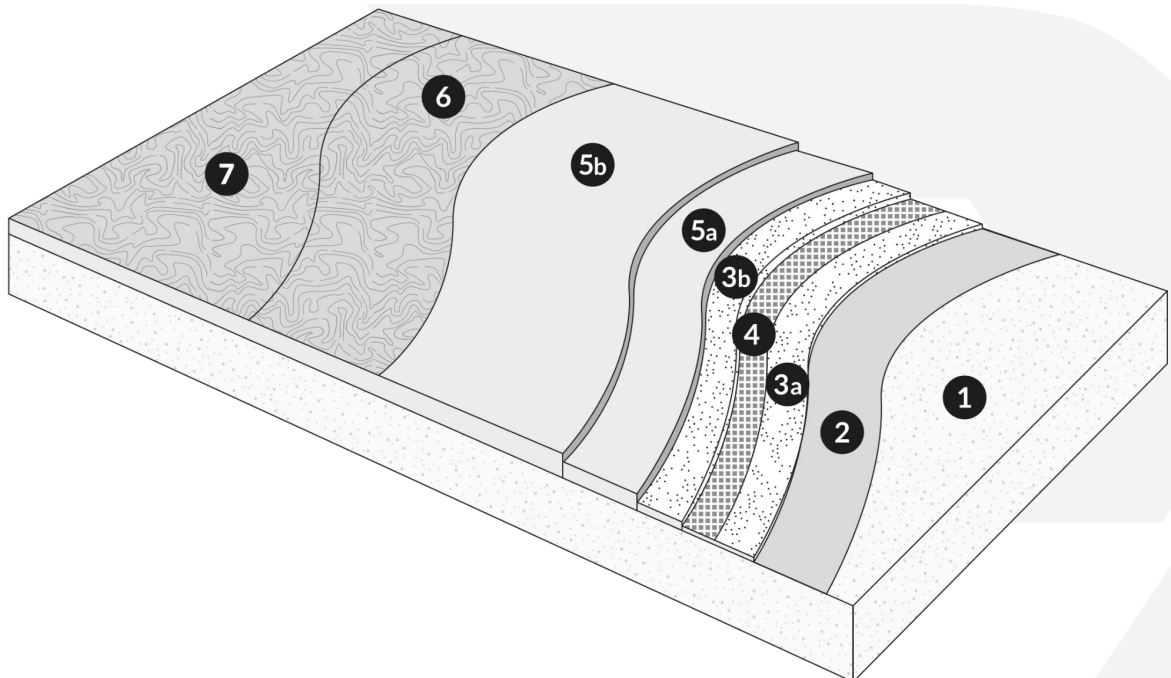
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**ADDITIONAL INFORMATION - CONSUME**

No.	LAYER	MATERIAL	CONSUME
1	Existing concrete substrate	-	-
2	First layer of primer [second layer optional]	<b>FEST Grunt</b>	Approx 0,1-0,3 kg/m <sup>2</sup>
3a	Base layer [optional]	<b>FESTFLOOR Base</b>	Approx 1-1,2 kg/m <sup>2</sup>
4	Fiberglass mesh [optional]	<b>Mesh</b>	-
3b	Base layer [optional]	<b>FESTFLOOR Base</b>	Approx 0,8-1,0 kg/m <sup>2</sup>
5a	First layer of FESTFLOOR Life microcement	<b>FESTFLOOR Life</b>	Approx 0,7-1,0 kg/m <sup>2</sup>
5b	Second layer of FESTFLOOR Life microcement	<b>FESTFLOOR Life</b>	Approx 0,5-0,7 kg/m <sup>2</sup>
6	Sealing - sealer	<b>PU FEST 2K, PU FEST Turbo</b>	Approx 0,12 kg/m <sup>2</sup>
7	Sealing - sealer additive [optional]	<b>3K Plus</b>	Approx 0,01 kg/m <sup>2</sup>

**FLOOR CROSS SECTION LAYERED SCHEME**


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## CLEANING AND FLOOR MAINTENANCE

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**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, e.g. 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.

*For more information, see the instructions for the use of decorative coatings made of Festfloor microcement.*

## SAFETY AND HEALTH

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Product for professional users only. Read technical sheets of all components of the system on [www.festfloor.com](http://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.



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