

FESTFLOOR

TECHNICAL DATA SHEET

FESTFLOOR LIFE

**Decorative, pigmented micro mortar
for indoor use**



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, showrooms, hotels and food service premises. FESTFLOOR Life is also suitable for floors, walls, ceilings, as well as furniture cladding and countertops.

WHERE TO USE?

- Floors in apartments, food service premises, offices, etc.
- Ceilings imitating natural concrete
- Thanks to its water resistance, it is suitable as a finish for floors and walls in bathrooms and showers
- Wall and column cladding in houses and apartments
- As an exclusive finish for furniture and kitchen countertops
- Door cladding

PROPERTIES

- Very high adhesion to many types of substrates
- System thickness - approx. 1.5-2 mm
- Water resistance
- UV resistance
- High abrasion resistance
- Easy daily maintenance
- Unlimited colour palette
- Short completion time
- Many finishing options

PACKAGING

- 3.5 kg set - 1 kg FEST Liquid and 2.5 kg FEST Powder
- 17.5 kg set - 5 kg FEST Liquid and 12.5 kg FEST Powder
- FEST Color liquid pigment is supplied in 100 ml and 200 ml packaging
- Additionally, FEST Liquid is supplied in 1 kg and 5 kg packaging.

CLEANING OF TOOLS

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

SYSTEM COMPONENTS

Basic system:

- FEST Grunt - priming
- Polymer-cement two-component decorative compound: FEST Liquid and FEST Powder
- FEST Color - liquid pigment / dye for microcement
- Impregnation - PU FEST 2K / PU FEST 2K CARBON / PU FEST Turbo, a product used to protect the finished surface.

STORAGE

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

FLOOR SURFACE PREPARATION

The substrate must be stable and load-bearing. For cement screeds, the substrate concrete class must be at least C16/20 (B20) with a minimum pull-off strength of 1 N/mm², tested by the pull-off method. The substrate moisture must not exceed 3%. For anhydrite screeds, the residual moisture must not exceed 0.5% CM for screeds without underfloor heating and 0.3% CM for screeds with underfloor heating. In wet areas, a system waterproofing layer must be applied.

Before starting work, the underfloor heating must be switched on and tested at the highest temperatures used. No later than 72 hours before the application of the FESTFLOOR Life system, the underfloor heating must be switched off. Weak substrates must be reinforced. To protect cement screed against crack transfer, it is recommended to use FESTfloor Base together with fibermesh. Cement laitance, other coatings and any contamination such as gypsum, oil, asphalt, etc. must be removed by grinding or shot blasting and vacuuming. If the substrate is uneven or non-uniform, it must be ground or levelled with self-levelling screeds or an epoxy screed.

Fill any voids with epoxy mortar or repair mortars. The concrete substrate must be primed with FEST Grunt (1 or 2 coats, as needed) and allowed to dry for approx. 2-4 hours.

WALL SURFACE PREPARATION

The surface should be smoothed and vacuumed free of all dust and dirt. In the case of ceramic and porcelain tiles, the substrate should be cleaned of all dirt and stains by grinding with a diamond disc (to matt the glazed layer / grind off the glaze). Defects and grout joints should be filled. The substrate moisture must not exceed 3%.

In wet areas, a system waterproofing should be applied.

Apply a primer coat of FEST Grunt to the prepared surface with a roller (1 or 2 coats, as needed) and wait approx. 2-4 hours for it to dry. In the case of substrates other than concrete, such as OSB boards or tiles, FEST Kontakt should be used together with Fibermesh to reinforce the substrate. Spread evenly with a trowel.

Wait 4-6 hours between applying subsequent coats.

MIXTURE PREPARATION

The polymer-cement decorative layer is supplied in two components: a dry white mass and a liquid polymer, which, when combined, create an easy-to-apply floor compound. The suggested mixing ratio of the ingredients is 1:2.5-1:3.5 (one weight part of liquid polymer; 2.5-3.5 weight parts of dry mass). For precise measuring of the ingredients, all components must be weighed on precision electronic scales. Application temperature: 15°C-25°C. Application at higher temperatures will significantly shorten the setting time. Application at lower temperatures may prevent the material from setting.

Before starting work, ensure good lighting in the room. Drafts must be avoided. Other construction work that generates dust and other contaminants that may become airborne should be stopped.

The liquid polymer should be stored in a cool, shaded place before and during application. Before starting application, mix it at low speed for 3 minutes. Mix with a basket mixer at low speed. While mixing the components, it is recommended to gradually add the dry mass to the polymer while continuously mixing. This will prevent the material from clumping. Mix the whole batch for 3 minutes until a homogeneous mass is obtained. After mixing, leave for about 3 minutes, then mix again.

COLORING

The FESTFLOOR Life decorative layer is supplied in two components: a dry white mass and a liquid polymer, which, when mixed, produce a beige colour. To obtain other colours, FEST Color pigments must be used. Prepare enough coloured polymer to cover the entire area to be applied. To do this, pour FEST Color into the liquid polymer according to the colour chart or previously established proportions. Mix both ingredients - the liquid polymer and FEST Color - for 3 minutes to allow the colourant to dissolve completely in the polymer.

- For colours S1-S5 and FL01-FL11, pour the entire 200 ml package into 5 L of component B FEST Liquid.
- For colours S6 and FL12, pour both 200 ml packages into 5 L of component B FEST Liquid.

APPLICATION

Before starting the application, prepare enough material to apply the first layer over the entire surface. The material should be spread over the entire surface using trowels and other metal tools to a thickness of no more than 1 mm. Application should be carried out using quick, energetic movements in different directions depending on the desired effect. Subsequent portions of the same layer should be applied wet-on-wet, moving from the windows towards the exit. Do not interrupt the work during material application. After about 4 hours, when the material has fully bonded and is dry, the floor should be sanded with a single-disc grinder (the so-called polisher) using 60-120 grit sandpaper (depending on the desired effect). Hard-to-reach areas (corners, along walls, etc.) should be sanded with hand-held eccentric sanders. The whole surface should be vacuumed. Then prepare the appropriate amount of material for the second layer and proceed with the application of the second layer of microcement, in the same way as the first one. During the work, it is recommended to use foil shoe covers to avoid soiling the floor. After the last layer has dried, it should be sanded with a single-disc grinder (the so-called polisher) using 80 grit sandpaper or higher (depending on the desired effect). After applying the final layer, leave the floor for 4-6 hours until completely dry. After that, you can proceed with impregnation.

SEALING

The surface must be perfectly cured, load-bearing, dry, clean and free from dust, wax and oils. Shake the container with the PU FEST 2K polyurethane sealer well. Add the hardener according to the marking on the packaging. Mix component A with component B in a ratio of 5:1 (5 weight parts of component A; 1 weight part of component B). Then add 10% water in relation to the total volume of components A and B (e.g. 5 kg of component A + 1 kg of component B + 0.6 kg of water) and mix thoroughly. Leave the open container for approx. 10 min., then mix again. Apply using a high-quality roller with an 8 mm pile length. The second coat of PU FEST 2K sealer can be applied after 4 hours without sanding, or after 24 h after sanding the surface with 220-grit sandpaper.

Do not use PU FEST 2K sealer during the hottest hours of the day, when weather conditions are not favourable, or on damp substrates. In addition, in areas exposed to heavy foot traffic, water and dirt, FEST Primer sealer undercoat or the 3K PLUS additive can be used. These products are not mandatory; the PU Fest 2K sealer itself provides high resistance. The additional products are used to extend the life of the sealer.

- The floor can be used after 12 hours.
- Water resistance after 7 days.
- The stated usage guidelines apply to conditions of 22°C and 50% air humidity.
- Lower temperature and higher humidity may extend product drying time.

DAILY FLOOR MAINTENANCE

FESTFLOOR Life floors are decorative floors and therefore special attention should be paid to their use and care:

- use water for daily cleaning,
- under furniture - chairs, tables, etc. we recommend placing felt pads to distribute the load evenly and reduce the formation of dents,
- spilled substances and other dirt should be removed immediately after soiling, especially during the first period of floor use,
- remove more difficult dirt with FEST Cleaner or POWER-FEST,
- do not use products with a low pH or those that may cause discoloration,
- before using a new cleaning product, it is recommended to carry out a test in an inconspicuous place.

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

SAFETY AND HEALTH

The product is intended for professionals. Before starting work, please familiarize yourself with the Safety Data Sheets of the components included in the system, available on request from the manufacturer. 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 the mortar. Keep out of reach of children. It is recommended to use masks and gloves. In enclosed spaces, ensure good ventilation and avoid inhaling dust.

CONSUMPTION

No.	LAYER	MATERIAL	CONSUMPTION
1	Existing concrete substrate	-	-
2	Priming layer [second layer optional]	FEST Primer	Approx. 0.1-0.3 kg/m ²
3a	Base layer [optional]	FESTFLOOR Base	Approx. 1-1.2 kg/m ²
4	Fiberglass mesh [optional]	Fibermesh	-
3b	Base layer [optional]	FESTFLOOR Base	Approx. 0.8-1.0 kg/m ²
5a	I layer of FESTFLOOR Life microcement	FESTFLOOR Life	Approx. 0.7-1.0 kg/m ²
5b	II layer of FESTFLOOR Life microcement	FESTFLOOR Life	Approx. 0.5-0.7 kg/m ²
6	Impregnation – first layer of sealer	PU FEST 2K CARBON, PU FEST 2K, PU FEST Turbo	Carbon: 0.07-0.15 kg / m ² PU FEST 2K: 0.1-0.15 kg / m ² Turbo: 0.1-0.15 kg / m ²
7	Impregnation – second layer of sealer	PU FEST 2K CARBON, PU FEST 2K, PU FEST Turbo	Carbon: 0.07-0.15 kg / m ² PU FEST 2K: 0.1-0.15 kg / m ² Turbo: 0.1-0.15 kg / m ²

FLOOR CROSS SECTION

