

FESTFLOOR

TECHNICAL DATA SHEET

FESTWALL LIFE

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



DESCRIPTION

FESTWALL Life is a polymer-cement system for creating seamless surfaces on existing substrates such as gypsum plasterboard, cement and gypsum plasters, ceramic tiles, OSB boards, etc. FESTWALL Life is also suitable for cladding furniture and countertops.

WHERE TO USE?

- Walls in apartments, dining 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 cladding, columns in houses and apartments
- As an exclusive finish for furniture and countertops
- Door cladding

PROPERTIES

- Very high adhesion to any type of substrate
- System thickness: approx. 1.5-2 mm
- Water resistance
- UV resistance
- High abrasion resistance
- Easy daily maintenance
- Unlimited colour palette
- Short lead time
- Many finishing options

PACKAGING

- 4.3 kg set - 1 kg FESTWall Liquid and 3.3 kg FESTWall Powder
 - 21.5 kg set - 5 kg FESTWall Liquid and 16.5 kg FESTWall Powder
- FEST Color liquid pigment is supplied in 100 ml and 200 ml packaging. In addition, FESTWall 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 wall system:

- FEST Grunt - priming
- Polymer-cement two-component decorative compound: FESTWall Liquid and FESTWall Powder
- FEST Color - liquid pigment / microcement dye
- Impregnation - PU FEST 2K CARBON or PU FEST 2K - water-based polyurethane sealers, used to protect the finished surface.

STORAGE

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

WALL SURFACE PREPARATION

The surface should be smoothed and vacuumed free of all dust and dirt. In the case of ceramic tiles and porcelain tiles, the substrate should be cleaned of all dirt and stains by grinding with a diamond disc (to matte the glazed layer / grind off the glaze). Any 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 priming coat of FEST Grunt with a roller to the prepared surface (1 or 2 coats, as needed) and wait approx. 2-4 hours for it to dry. For 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, form a mass that is easy to apply. The suggested mixing ratio is 1:3-1:3.5 (one weight part of liquid polymer; from 3 to 3.5 weight parts of dry mass). To measure the components precisely, all components should be weighed on precise 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. To adjust the consistency, up to 5% water may be added.

Before starting work, make sure the room is well lit. Drafts should be avoided. Other construction work that generates dust and other contaminants that may spread should be stopped. The liquid polymer should be stored in a cool, shaded place before and during application. Before application, it should be mixed at low speed for 3 minutes. Mix with a basket mixer. While mixing the components, it is recommended to gradually add the dry mass to the polymer and mix continuously. This will prevent the material from clumping. Mix everything for 3 minutes until a homogeneous mass is obtained.

COLOURING

The FESTWALL Life decorative layer is supplied in two components: a dry white mass and a liquid polymer, which, when mixed, give a beige colour. To obtain other colours, use FEST Color pigments. Prepare such an amount of coloured polymer that it is enough for the entire applied surface. To do this, pour FEST Color into the liquid polymer according to the colour chart or previously established proportions. Both components - the liquid polymer and FEST Color should be mixed for 3 minutes to ensure the colourant is completely dissolved in the polymer. For colours S1-S5 and FL01-FL11, pour the entire 200 ml package into 5 L of FEST Liquid component B. For colours S6 and FL12, pour in the contents of two 200 ml packages into 5 L of FEST Liquid component B.

APPLICATION

Before starting the application, prepare enough material to apply the first coat over the entire surface. Spread the material over the entire surface using trowels and other metal tools of various lengths, to a thickness of no more than 1 mm. Apply using quick, energetic movements in different directions, depending on the desired effect. Apply subsequent batches of material wet on wet, moving along the entire wall.

After about 4 hours, when the material has fully set and is dry, depending on the desired effect, the surface can be sanded with an orbital sander using 60-120 grit sandpaper. Vacuum the entire surface. Then prepare the material needed for the second coat and apply it in the same way as the first coat. After the final coat has dried, depending on the desired effect, the entire surface can be sanded with an orbital sander using 80 grit sandpaper and finer. After applying the final coat, leave it for 4-6 hours to dry completely. After that, impregnation can begin.

SEALING

The surface must be fully cured, load-bearing, dry, clean and free from dust, waxes and oils. Shake the PU FEST 2K polyurethane sealer container well. Add the hardener according to the marking on the package. Mix component A with component B in a ratio of 5:1. Then add 10% water relative to the total volume of components A and B and mix thoroughly. Leave the open container for approx. 10 min., then mix again. Apply using a high-quality roller with an 8 mm nap length. The second coat of PU FEST 2K sealer may be applied after 4 hours without sanding, or after 24 h after sanding the surface with 220-grit sandpaper. Do not apply 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 water and dirt, FEST Primer sealer primer or the 3K PLUS additive for sealer can be used. 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 will be dry after a few hours.
- Water resistance after 7 days.
- The usage instructions given apply to conditions of: 22°C and 50% air humidity.
- Lower temperature and higher humidity may extend the drying time of the products.

DAILY FLOOR MAINTENANCE

FESTWALL Life surfaces are decorative surfaces and therefore special attention should be paid to their use and care:

- use water for daily cleaning,
 - remove more difficult dirt using cleaning products with a neutral pH, e.g. 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 perform 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, 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 the event of accidental contact, wash with soap and water and seek medical advice. Take measures to prevent dusting or splashing with 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 wall	-	-
2	Primer layer [second layer optional]	FEST Grunt	Approx. 0.1-0.3 kg/m ²
3	1st layer of FESTWALL Life microcement	FESTWall Liquid, FESTWall Powder, FEST Color	Approx. 1.0 kg/m ²
4	2nd and subsequent layers of FESTWALL Life microcement	FESTWall Liquid, FESTWall Powder, FEST Color	Approx. 0.5 kg/m ²
5a	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
5b	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