

FESTWALL Life

Technical Sheet

Decorative multicolored microcement wall system for indoors.

SYSTEM DESCRIPTION




FESTWALL Life is a two-component system composed of a polymer mixed with a special cement mixture for everyone looking for jointless finishing walls. It might be applied on plasterboards, ceramic tiles, OSB boards, etc. It is an innovative product suitable for all kind of environments. It offers stylish and practical solution to transforming large surfaces such as walls, ceilings, kitchen countertops, door, furniture.

APPLICATION AND USES	ADVANTAGES
<ul style="list-style-type: none"> • Walls 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 • Furniture and door finishing • Stylish finishing of furniture and kitchen countertops 	<ul style="list-style-type: none"> • High adhesion to any surface • Total thickness 1,5-2mm • For wet area, • Easy to clean and maintain. • Resistant to UV rays • High resistance to rubbing/wear • Endless patterns, textures, designs • Infinite combination of colors • Safe and environmentally-friendly, FESTWALL Life is a water based product.

FESTWALL Life BASIC SYSTEM

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


SUBSTRATE PROTECTION



The surface should be smoothed, vacuumed of all dust and dirt. In the case of ceramic and stoneware tiles, the substrate should be cleaned of all dirt, stains by regrinding with a diamond disc (for the purpose of so-called tarnishing the glazed layer / sanding the glaze). Filling of blowholes/voids and surface levelling must be carried out using appropriate products. Substrate humidity cannot exceed 3%. **System waterproofing should be used in wet zones.**

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



FESTWALL 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 3,0-4,0 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 clumping of the material. The whole should be stirred for 3 minutes to a homogeneous mass. Up to 5% water may be added to calibrate consistency

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



COLORING

The decorative layer of FESTWALL Life consists of two components: a dry white mass and a liquid polymer, which produce a beige colour when mixed. To obtain other colours, use FEST Color pigments. Sample colours can be found at the end in the colour chart. Prepare enough tinted polymer to cover the entire surface which is to be applied. For this purpose, FEST Color should be poured into the liquid polymer according to the colour chart or the predetermined proportions. Both components - liquid polymer and FEST Color - should be stirred for 3 minutes in order to complete dissolution of the pigment in the polymer. For colours S1-S5 and FL01- FL11 the entire 200ml pack 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 wall with single disc grinder (sanding machine) with 60-120 grit sandpaper (depending on the desired effect). Hard-to-reach areas (e.g. corners) 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 wall. Once the last coat has dried, sand it with a single disc grinder (sanding machine) with 80-grit sandpaper or more (depending on the desired effect). After the last coat, leave the wall 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 areas exposed to water and dirt, you can apply **FEST Primer**, a sealer undercoat. This product is not mandatory, **PU Fest 2K** sealer itself provides high resistance. The primer is 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.

Do not apply FEST 2K PU sealer during the hottest hours of the day, when weather conditions are not favourable or on moisture-affected substrates. In addition, a FEST Primer or 3K PLUS sealer can be used in areas prone to water and dirt. 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 surface will be dry after a few hours.

Water resistance after 7 days.

The directions for use given are valid for the conditions: 22°C and 50% humidity.

Lower temperatures and higher humidity can prolong the drying time of the products.

CLEANING AND WALL MAINTENANCE

Cleaning a **FESTWALL Life** wall is very simple. A damp cloth is sufficient to clean the surfaces, with the addition of a little neutral detergent. Detergents based on soap, acid, ammonia, chlorine or any abrasive detergent products are absolutely prohibited. It is recommended to use only NON-AGGRESSIVE, neutral PH detergents, eg **FESTCleaner**. Never apply a new cleaning product without doing a test first.

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

- use water for daily cleaning.
- Remove more difficult stains with PH-neutral cleaning liquids such as FEST Cleaner.
- Do not use products with a low PH and those which may cause discolouration
- Before using a new cleaning product, it is advisable to test it in an invisible area

More information can be found in the instructions for use for 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

FESTWALL Life is available in packages:

Package of 4,5 kg – 1 kg of **FEST Liquid** and 3,3 kg of **FEST Powder**

Package of 22,5 kg – 5 kg of **FEST Liquid** and 16,5 kg of **FEST Powder**

Liquid pigment **FEST Color** is available in packages of 100 ml and 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	Approx 0.1-0.2 kg/m ²
3	3. 1st layer of FESTWALL Life microcement	FESTWall Liquid, FESTWall Powder, Color FEST	Approx. 1,0 kg/m ²
4	4. 2nd and next layer of FESTWALL Life microcement	FESTWall Liquid, FESTWall Powder, Color FEST	Approx. 0,5 kg/m ²
5a	Sealing – undercoat [optional]	FESTPrimer	Approx. 0,05-0,1 kg/m ²
5b	Sealing – sealer	PU FEST 2K, PU FEST Turbo	Approx. 0,1-0,12 kg/m ²

WALL CROSS SECTION LAYERED SCHEME

