

Technical Data Sheet (For Testing Purposes)

FP Construction®
Type: FP Plaster Premix

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This document contains the technical data sheet of the FP Construction® product – FP Plaster. The product in its current form has been developed exclusively for internal testing purposes and is not a marketed end product. The purpose of this document is to provide comprehensive technical and processing information for the evaluation of the product.

Your Sincerely,



István Flösser

Head of Production and R&D



1. Applications

- Breathable, vapor-permeable plaster for interior walls
- Renovation plaster for salt-damaged, damp masonry
- Suitable for brick, adobe, natural stone, and mixed wall structures
- Vapor-regulating plaster for interior wall surfaces of old buildings
- For the renovation of structures damaged by moisture rising through capillary action
- For the repair of masonry damaged by deterioration caused by sulfates, chlorides, and nitrates

2. Mixing instruction

25 kg bag packaging:

- Pour 3.7 – 4.4 liters of water into a mixing bucket
- While mixing with a stirring paddle, gradually pour the contents of the bag into the mixer
- Mixing time: 8–10 minutes
- After mixing, the material can be applied within approx. 2–3 hours. For larger quantities, mixing can be carried out in a drum mixer.

3. Technical data

Model	FP Plaster Premix
Bending-tensile strength	4,52 N/mm ²
Compressive strength	14,15 N/mm ²
Capillary water absorption	0,07 kg(m ² x min0,5)
Shrinkage test	1,36 mm/m
Frost resistance	24,8 N/mm ²
Workability time	240 min
Amount of air in fresh foam	17,10%
pH	12,66
Capillary water penetration	3,71 mm
Adhesive strength	0,2 N/mm ²
Vapor diffusion resistance number (μ)	13,8*

4. Application methods

- Optimal processing temperature: between +5 °C and +35 °C.
- Application must always be carried out on load-bearing surfaces free from dust, efflorescence, oil, and grease, and without frost, efflorescence, or loose parts.
- The surface must always be pre-wetted.
- For highly absorbent or mixed-structure walls, priming is recommended.

Manual application

The material shall be applied directly to the wall surface using a hand plastering tool, in the same way as traditional plaster. The final finishing layer must be applied before the base plaster sets, then smoothed with a sponge float in circular motions, which should be dipped in water from time to time.

Machine application

FP Plaster shall be applied with a plastering machine as a standard bonding plaster (base coat). Smoothing must not be carried out. The required setting time between layers must be observed. Depending on weather conditions, setting may take 6–24 hours. Additional layers may be applied after moistening. The final finishing layer must be applied before the base plaster sets, then smoothed with a sponge float in circular motions, which should be dipped in water from time to time.

Finishing works

- The surface must be smoothed; vibration is prohibited.
- The surface must be protected from precipitation, wind, and direct sunlight for 72 hours.

Final surface coatings

- The use of breathable interior wall paints is recommended
- Waterproof coatings must be avoided

5. Cleaning and storage

- Tools must be cleaned immediately with water after use.
- Hardened material can only be removed by mechanical means.
- Storage: in a dry place, protected from precipitation and moisture, on pallets.
- Shelf life: 12 months in unopened packaging.