

Technical Data Sheet (For Testing Purposes)

FP Construction®
Típus: FP Plaster 100

Release date: 02.06.2026.

VER: 1.0

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This document contains the Technical Data Sheet for the FP Construction® product – FP Plaster 100 (Breathable Mineral Bonding and Splatter Coat for the FP Plaster 200 Renovation Plaster System). In its current form, the product has been developed exclusively for internal testing purposes and is not considered a commercially marketed final product. The purpose of this document is to provide comprehensive technical and application-related information to support the evaluation of the product.

Yours sincerely,



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Head of Production and R&D



1. Scope of Application

FP Plaster 100 is a factory-produced, pre-mixed mineral splatter coat mortar developed as the bonding layer within the FP Plaster Renovation System. The primary purpose of the product is to ensure proper adhesion between the substrate and the renovation plaster, while regulating and equalizing the water absorption characteristics of the masonry.

FP Plaster 100:

- forms a vapor-permeable bonding layer between the substrate and the plaster,
- equalizes water absorption across masonry substrates with varying absorbency,
- improves plaster adhesion,
- creates a rough, highly receptive surface for subsequent plaster application,
- is fully compatible with the FP Plaster Renovation System.

Suitable applications include:

- preparation of damp and salt-contaminated masonry,
- restoration of walls affected by rising damp,
- application on brick, natural stone, mixed masonry, and other mineral substrates,
- interior and exterior use,
- renovation and heritage restoration projects.

2. Product Description

FP Plaster 100 is a cement-based mineral splatter coat mortar. The product is designed to:

- improve the adhesion of the renovation plaster,
- equalize the water absorption characteristics of the masonry,
- ensure the continuity of the vapor-permeable system build-up,
- create a suitable substrate for the application of FP Plaster renovation plaster.

The resulting layer does not form a sealed barrier and therefore allows the natural transmission of water vapor through the masonry.

3. Mixing Instructions

For a 25 kg bag:

- Pour the required amount of clean water into the mixing container (mixing water: approximately 5.0–5.5 liters per 25 kg bag).
- Gradually add FP Plaster 100 while continuously mixing.
- Mixing time: approximately 5 minutes.
- The prepared material remains workable for approximately 2–3 hours.
- For larger quantities, the use of a drum mixer is recommended.

The addition of any foreign admixtures or additives to the product is strictly prohibited!

4. Application

General Requirements

- The recommended application temperature range is between +5 °C and +30 °C.
- The substrate must be sound and free from dust, oil, grease, and loose particles.
- The substrate must be pre-moistened before application.
- No continuous water film may remain on the surface.
- Any damaged, loose, or detached plaster must be removed prior to application.

The use of FP Plaster 100 is particularly recommended on highly absorbent or mixed masonry substrates.

Manual Application

The material should be applied to the wall surface using conventional masonry tools by splatter application. The splatter coat must not form a continuous, smooth layer.

Recommended coverage:

- Minimum 70%.

The surface must remain rough to ensure adequate mechanical adhesion of the subsequent plaster layer.

Machine Application

FP Plaster 100 can be applied using conventional plaster spraying equipment. Before application, the machine and hose system must be completely free of gypsum residues. During machine application, care must be taken to ensure the formation of a rough and open surface texture suitable for the subsequent renovation plaster.

5. Waiting Time

FP Plaster renovation plaster may only be applied after the FP Plaster 100 splatter coat has adequately cured.

The required waiting time depends on:

- the moisture content of the substrate,
- ambient temperature,
- relative humidity,
- and the applied layer thickness.

Before commencing the next stage of application, the splatter coat must be checked to ensure that sufficient curing and strength development have been achieved.

6. Curing and Protection

The freshly applied surface must be protected from:

- direct sunlight,
- precipitation,
- frost,
- strong air movement or drafts.

In warm weather conditions, appropriate measures must be taken to prevent excessively rapid drying.

7. Cleaning

Tools and equipment must be cleaned with water immediately after use.
Once hardened, the material can only be removed by mechanical means.

8. Storage

- Store in a dry place.
- Protect from moisture and precipitation.
- Store in the original, unopened packaging.
- Storage on pallets is recommended.
- Shelf life: 12 months from the date of manufacture when stored under the recommended conditions.

9. Important Information

- Mix only with clean water.
- The addition of any other admixtures or additives is strictly prohibited.
- The thickness of the splatter coat must not be included in the final plaster thickness.
- The finished layer remains vapor permeable.

10. Key Benefits

- Formation of a vapor-permeable bonding layer
- Equalization of water absorption on different masonry substrates
- Excellent adhesion to mineral-based substrates
- Compatibility with the FP Plaster Renovation System
- Optimized for damp and salt-contaminated masonry
- Suitable for manual and machine application
- Suitable for interior and exterior use
- Mineral-based, vapor-permeable system