

INNO-FEES

FOX PROHAND® FIBER

Ready-Mixed Hand Plaster

Description

FOX PROHAND® FIBER is a ready-to-use, fiber-reinforced general-purpose hand plaster based on cement and lime, suitable for interior and exterior applications, including damp areas.

It complies with the requirements of GP, CS IV, W2, and A1 according to EN 998-1:2016.

Areas of Use

- Used for plastering interior and exterior brick, briquette walls, pumice blocks, concrete, fair-faced concrete, aerated concrete, and ceiling surfaces.

Advantages

- Provides easy and fast application.
- Lighter in application compared to traditional plasters.
- Water-repellent properties.
- Allows both rough and fine plastering in a single layer.
- Offers cost advantages and ease of control.
- Ensures high adhesion and strength at every point of the surface thanks to its homogeneous structure.
- Provides a smooth surface for final coating applications.

Technical Properties

Structure of the Material		Mineral fillers, polymer-reinforced special cement and polypropylene fibers
Color		Grey
Plaster Mortar Group		General purpose plaster mortar (GP according to EN 998-1)
Fresh Mortar Density		1.90±0.05 g/cm ³
Dry Bulk Density	EN 1015-10	1.70±0.05 g/cm ³
Compressive Strength	EN 1015-11	≥6 N/mm ² (CS IV according to EN 998-1)
Bond Strength	EN 1015-12	≥0.4 N/mm ²
Capillary Water Absorption	EN 1015-18	≤0.20 kg/m ² ·min ^{0.5} (W2 according to EN 998-1)
Water Vapor Permeability	EN 1015-19	≤20 μ
Workability Time	EN 1015-9	≥1 hour
Air Content	EN 1015-7	≤20%
Thermal Conductivity (λ10 dry, mat)	EN 1745	≤1.10 W/m·K (for P = 50%) (T1 according to EN 998-1)
Reaction to Fire	EN 13501-1	A1 (Non-combustible)
Application Thickness		Min. 10 mm – Max. 25 mm (per layer)
Substrate Temperature for Application		+5°C/+30°C
Temperature Resistance		-40°C/+80°C
Full Curing Time		28 days (+20°C)

The above values are given for +23 °C and 50% relative humidity. Higher temperatures shorten the specified times, while lower temperatures extend them.

Application Procedure

Surface Preparation

Surfaces to be plastered must be free from form oil, loose particles, dust, and any substances that may adversely affect adhesion. Cracks and holes on the surface must be repaired using suitable **INNO-CRETE** series repair mortars. In hot weather conditions, surfaces must be pre-wetted with water. On aerated concrete walls, a splatter coat using **FOX MORTAR FC188 T** repair mortar must be applied at least 72 hours prior to plaster application. On smooth fair-faced concrete surfaces, ceilings, and walls, **FOX CONTACT PRIMER® FL101** must be applied with a coral roller prior to application. Plastering should commence after 24 hours.

Mixing

The appropriate amount of water specified on the packaging is poured into a clean mixing container. **FOX PROHAND® FIBER** is gradually added into the water while mixing with an electric mixer at 400–600 rpm for approximately 3–4 minutes until a homogeneous mixture is obtained. No lumps should remain in the mixture. After resting for about 30 seconds, the material should be mixed again for 1 minute and then is ready for application.



FOX BAU YAPI KİMYASALLARI ANONİM ŞİRKETİ

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Mixing Ratios

For 25 kg/1 bag of **FOX PROHAND® FIBER**, approximately 6 ± 0.25 L of water should be used.
For 1 kg of **FOX PROHAND® FIBER**, approximately 240 ± 10 ml of water should be used.

Application

The application thickness should be between 3 mm and 10 mm per coat. The prepared mortar is applied using a plastering trowel or float and levelled with an aluminum screed. Once the plaster has sufficiently set, the surface is finished with a sponge float and the application is completed using a damp sponge.

Cleaning of Application Tools

All tools and equipment used after application should be cleaned with water. Once hardened, **FOX PROHAND® FIBER** can only be removed mechanically from the surface.

Consumption

Approximately $14-15$ kg/m² of powder product is required to achieve 1 cm thickness.

Points to be Considered

It is recommended to apply the plaster at temperatures between +5°C and +30°C. In windy conditions, protect against rapid drying. To ensure proper strength development, the surface should be moistened at regular intervals for 7 days after application. Do not add lime, cement, gypsum, or any other materials to the product. In hot weather conditions, a two-layer application is recommended to minimize the risk of cracking due to rapid drying. It is recommended to use plaster mesh at column-beam and wall junctions.

Packaging

25 kg polyethylene-reinforced kraft bag.

Shelf Life and Storage

The product must be stored in its unopened original packaging in a dry and cool environment (+5°C to +30°C), protected from direct sunlight and frost. When stored under the specified conditions, the shelf life is 12 months from the date of production. Opened packages must be tightly sealed and used within 1 week. For short-term storage, a maximum of 2 pallets may be stacked and shipments should be made according to the first-in, first-out (FIFO) principle. For long-term storage, pallets must not be stacked.

Safety Precautions

It is dangerous to approach storage and application areas with open flames. Storage and application areas must be well ventilated. During application, appropriate work clothing in compliance with occupational health and safety regulations, as well as protective gloves, goggles, and masks, must be used. Avoid contact with skin and eyes during storage and application. In case of contact, wash immediately with plenty of water and soap. If swallowed, seek medical attention immediately. Food and beverages must not be brought into application areas. Store out of reach of children. For detailed information, refer to the Safety Data Sheet (Material Safety Data Sheet).

Liability

The information provided in this technical document is based on our scientific knowledge and practical experience. Fox Bau Yapı Kimyasalları A.Ş. is only responsible for the quality of the product. The company cannot be held liable for any consequences arising from uses other than the written recommendations regarding where and how the product should be used and/or from improper applications. For detailed information, please refer to the Safety Data Sheet and Technical Data Sheet or contact our company representatives.

