

INNO-THERM FOX THERM-ALL® MINPLAST FT377

Cement Based Decorative Finishing Plaster

Description

FOX THERM-ALL® MINPLAST FT377 is a cement-based, polymer and fiber reinforced decorative coating mortar with water-repellent properties that increases mechanical strength by being applied on plastered surfaces. It meets the requirements of **TS 7847 / G₃-E₅-S₃-V₂-W₃**.

Fields of Application

- Indoors and outdoors,
- As a decorative coating on the thermal insulation plaster on building facades,
- It is used on mineral-based surfaces such as concrete and plaster.

Advantages

- Provides excellent adhesion.
- It can be painted in the desired color.
- Easy to prepare and apply.
- Working time is long.
- Allows water vapor diffusion.
- It has high mechanical resistance against external factors.
- Resistant to freeze - thaw effect.

Technical Data

Structure of Material		Mineral fillers, synthetic additives and special polymers
Density (1,5 mm)		1,70-1,80
Color		White
Adhesion Strength Reinforced Concrete	28 days	>1 N/mm ²
Brightness	EN ISO 2813	G ₃
Dry Film Thickness	EN 1062-1	E ₅
Grain Size	EN ISO 1524	S ₃
Water Vapor Transfer Rate	EN ISO 7783	V ₂
Water Transfer Rate	EN 1062-3	W ₃
Application Surface Temperature		+5°C /+30°C
Ripening Time		3-5 minutes
Usage Time		1 hours

The above values are given at +23°C and 50% relative humidity. High temperatures shorten the time, low temperatures lengthen the time.

Application Procedure

Preparation of the Substrate

The surfaces on which the application will be made must be solid and free from all kinds of dust and dirt. Care should be taken to ensure that the surface is also level. Dusting, crumbling mineral-based surfaces, surfaces exposed to windy and hot weather, cement-based surfaces should be strengthened by using **FOX THERM-ALL® SUNPRIM FT310** as a decorative plaster primer before application.

In order to use **FOX THERM-ALL® MINPLAST FT377** product as the final layer decorative plaster of the thermal insulation system, the thermal insulation boards must be firmly adhered to the wall, mechanically fixed to the surface with appropriate dowels and plastered with **FOX THERM-ALL® PLAST FT385/ FOX THERM-ALL® DUO FT388**.

Mixing

The appropriate amount of water indicated on the packaging is poured into a clean mixing bowl. While **FOX THERM-ALL® MINPLAST FT377** is slowly added into the water, it is mixed with an electric mixer with 400 - 600 rpm for approximately 3-4 minutes until it becomes homogeneous. Care should be taken that there are no lumps in the mixture. After the material is rested for 3 minutes, it is mixed again for 1 minute to make it ready for application.

Mixing ratios

Approximately 6,25±0,25 liters of water should be used for 25 kg/1 bag of **FOX THERM-ALL® MINPLAST FT377**.
Approximately 250±10 ml of water should be used for 1kg of **FOX THERM-ALL® MINPLAST FT377**.



Application

After bonding to the surface with **FOX THERM-ALL® FIX FT383/ FOX THERM-ALL® DUO FT388**, after applying a layer of plaster with **FOX THERM-ALL® PLAST FT385/ FOX THERM-ALL® DUO FT388** on the mechanically anchored thermal insulation boards, the plaster mesh is properly embedded into the first layer of plaster. After the first layer has dried, the plastering process is completed by applying the second layer of plaster. **FOX THERM-ALL® MINPLAST FT377** mixture is applied to the surface with a steel trowel on the cured plaster. Before the surface dries, the desired pattern is given with the help of a plastic trowel.

Cleaning of the Tools

Tools and equipment used after the application should be cleaned with water. **FOX THERM-ALL® MINPLAST FT377** can only be mechanically removed from the surface after hardening.

Consumption

2,0-2,50 kg/m²

Watch Points

- If the ambient and surface temperature is below +5°C or above +30°C in **FOX THERM-ALL® MINPLAST FT377** application, suitable temperatures should be expected.
- In outdoor applications, application surface should be protected from sun, rain, wind and frost for the first 24 hours.
- Working and reaction times in cement based repair mortars are affected by air temperature, humidity and ground temperatures.
- High temperatures accelerate hydration and the working time is shortened accordingly. Low temperatures slow down hydration and prolong the working time. In order for the material to complete its curing, the surface temperature and ambient temperature to be applied must not fall below the minimum allowable temperature.

Package

25 kg polyethylene reinforced craft bag

Shelf Life

Shelf life is 12 months from the date of production when properly stored at room temperature, away from direct sunlight between +5°C and +30°C. Lids of opened packages should be closed and opened packages should be consumed within 1 week.

Storage

The product should be stored in its original package, in a cool and dry place protected from frost. For short term storage, maximum 3 palettes should be placed on top of each other and the shipment should be made on a 'first in, first out' basis. Palettes should not be placed on top of each other during long term storage.

Health and Safety Precautions

It is dangerous to approach the application sites with fire. Fresh air should be circulated in the storage and the application sites. During the application, a protective apparel, protective gloves, goggles and masks which comply with the Occupational Health and Safety Rules should be used. Due to the irritation effect of the uncured materials, the mixture should not come into contact with skin and eyes; in case of a contact, the affected area should be washed with plenty of water and soap; in case of swallowing, a physician should be consulted immediately. No food or beverages should be brought to the application area. The product should be stored and kept out of reach of children. For detailed information please consult the Material Safety Data Sheet.

Disclaimer

The technical information given in this publication is based on the present state of our best scientific and practical knowledge. SARTECH Yapı Malzemeleri San. ve Tic. Ltd. Şti.is only responsible for the quality of the product. SARTECH Yapı Malzemeleri San. Tic. Ltd. Şti. is not responsible for results that may occur because the product is used other than advised and/or out of instructions regarding the place and the method of use. This technical form is valid only till a new version is implemented and nullifies the old ones.



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