

## INNO-THERM FOX THERM-ALL® PLAST FT385

### Cement and Polymer Dispersion Combination, Fiber Reinforced, Thermal Insulation Plaster

#### Description

**FOX THERM-ALL® PLAST FT385**, It is a cement-based, polymer and inorganic additive, fiber-fiber reinforced, ready-made plaster material that can be applied directly on thermal insulation boards.

**It meets the requirements of TS 13687.**

#### Fields of Application

- In direct plastering of Thermal Insulation boards,
- It is used for covering concrete, prefabricated reinforced concrete elements, cement-containing particle board and old plastered surfaces.

#### Advantages

- Provides excellent adhesion.
- Thanks to its fiber reinforcement, it prevents the formation of superficial cracks.
- Easy to prepare and apply.
- Working time is long.
- It creates a ready surface for paint or mineral plaster application.
- It is resistant to freezing – thawing effect.

#### Teknical Data

Structure of Material		Mineral fillers, synthetic additives and special polymers
Density		1,78 kg/lt
Color		Grey
Compressive Strength	EN 1015-11	17,9 N/mm <sup>2</sup>
Flexural Strength	EN 1015-11	5,5 N/mm <sup>2</sup>
Adhesion Force to Thermal Insulation Board	EN 13494	≥0,08 N/mm <sup>2</sup>
Water Absorption	EN 1015-18	0,15 kg/m <sup>2</sup> dk <sup>0,5</sup>
Water Vapor Permeability Coefficient	EN 1015-19	≤15 μ
Reaction to Fire	EN 13501-1	A1
Thermal Conductivity	EN 1745	0,45 W/mk
Application Thickness		Min. 3mm - Max. 5mm
Application Surface Temperature		+5°C / +30°C
Service Temperature		-20°C / +80°C
Maturity Time		3–5 minutes

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

#### Application Procedure

##### Substrate Preparation

The surface of the thermal insulation board to be applied must be dust-free and free of dirt. In addition, the mechanical doweling process must be completed.

##### Mixing

The appropriate amount of water described on the packaging is poured into a clean mixing bowl. While **FOX THERM-ALL® PLAST FT385** is slowly added into the water, it is mixed with an electric mixer with 400 - 600 rpm for about 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

For 25 kg /1 bag of **FOX THERM-ALL® PLAST FT385**, approximately 5,75±0,25 liters of water should be used. Approximately 230±10 ml of water should be used for 1 kg of **FOX THERM-ALL® PLAST FT385**.



## Application

After the thermal insulation boards are adhered with **FOX THERM-ALL® FIX FT383**, they are mechanically anchored. After a layer of plaster is applied on the board, 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. Application thickness can be 3-5 mm depending on preference. If it will be left without painting for more than 3 weeks in this way, **FOX THERM-ALL® COATPRIM FT110** should be applied immediately on the undercoat. The priming process will ensure that the plaster stays for a long time without cracking and a healthy underpainting preparation will be made.

## Cleaning of Tools

Tools and equipment used after the application should be cleaned with water. **FOX THERM-ALL® PLAST FT385** can only be mechanically cleaned from the surface after hardening.

## Consumption

5-7 kg/m<sup>2</sup>

## Watch Points

- If the ambient and surface temperature is below +5°C or above +30°C in **FOX THERM-ALL® PLAST FT385** application, suitable temperatures should be expected.
- In outdoor applications, it 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 floor temperature and ambient temperature to be applied must not fall below the minimum allowable temperature.

## Package

25 kg polyethylene reinforced kraft 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. Opened packages should be closed and consumed within 1 week.

## Storage

It should be stored in its unopened original package, in a cool and dry environment, protected from frost. In short-term storage, maximum 3 pallets should be placed on top of each other and shipment should be made with a first-in, first-out system. In long-term storage, pallets should not be placed on top of each other.

## Safety precautions

It is dangerous to approach storage and application areas with fire. Storage and application areas should be ventilated. During the application, work clothes, protective gloves, glasses and masks in accordance with the occupational and worker health rules should be used. During storage and application, it should not be contacted with the skin and eyes, in case of contact, it should be washed with plenty of water and soap, and if swallowed, a doctor should be consulted immediately. Food and beverage materials should not be brought into the application areas. It should be stored out of the reach of children.

For detailed information, the Material Safety Data Sheet should be consulted.

## Disclaimer

The data contained in this technical document is based on our scientific and practical knowledge. SARTECH Yapı Malzemeleri San. ve Tic. Ltd. Sti. only responsible for the quality of the product. SARTECH Yapı Malzemeleri San. ve Tic. Ltd. Sti. cannot be held responsible. The responsibility for the correct application of our product lies with the user. Our company is only responsible for the quality of the product. This catalog overrides the information in the previous catalogue. Our company reserves the right to make changes in any information and content details in this catalogue. It is essential to check that the information in the catalog is up-to-date and valid. All rights reserved.

