

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

### Fiber Reinforced, Thermal Insulation Plate Plaster

#### Description

**FOX THERM-ALL® PLAST FT385**, cement-based, polymer and inorganic-added, 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

- Direct plastering of thermal insulation boards,
- It is used for covering concrete, prefabricated reinforced concrete elements, cement-containing chipboard and old plastered surfaces.

#### Advantages

- Provides excellent adhesion.
- It prevents the formation of superficial cracks thanks to its fiber reinforcement.
- It is easy to prepare and apply.
- Working time is long.
- Creates a surface ready for paint or mineral plaster application.
- Resistant to Freeze-Thaw effect.

#### Technical Properties

Structure of Material		Mineral fillers, synthetic additives and special polymers
Density		1,78±0,05 kg/lit
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 Strength 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
Response 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
Ripening Time		3-5 minutes

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



#### Application Procedure

##### Substrate

The surface of the thermal insulation board to be applied must be dust-free and free from dirt. Additionally, 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 a 400-600 speed electric mixer for approximately 3-4 minutes until it becomes homogeneous. Care should be taken to ensure that there are no lumps left in the mixture. After the material is left to rest for 3 minutes, it is mixed again for 1 minute to make it ready for application.

##### Mixing Ratios

Approximately 5,75±0,25 liters of water should be used for 25 kg /1 bag **FOX THERM-ALL® PLAST FT385 GRAY**.  
Approximately 230±10 ml of water should be used for 1 kg of **FOX THERM-ALL® PLAST FT385 GRAY**.  
Approximately 6,00±0,25 liters of water should be used for 25 kg /1 bag **FOX THERM-ALL® PLAST FT385 WHITE**.  
Approximately 240±10 ml of water should be used for 1 kg of **FOX THERM-ALL® PLAST FT385 WHITE**.



## Application

Thermal insulation boards are mechanically doweled after being glued with **FOX THERM-ALL® PLAST FT385**. 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 dries, the plastering process is completed by applying the second layer of plaster. Application thickness can be 3-5 mm depending on preference. If the surface will remain as a plastered surface for more than 3 weeks without painting, **FOX THERM-ALL® COATPRIM FT110** should be applied immediately. The priming process will ensure that the plaster remains for a long time without cracking and a healthy under-paint preparation will be made. Application can be continued by priming again before painting.

## Cleaning of Tools

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

## Consumption

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

## Watch Points

- In **FOX THERM-ALL® PLAST FT385** application, if the ambient and surface temperature is below +5°C or above +30°C, appropriate temperatures should be waited.
- For outdoor applications, it should be protected from sun, rain, wind and frost for the first 24 hours.
- Working and reaction times of 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, which prolongs working time. In order for the material to complete its cure, the applied ground temperature and ambient temperature must not fall below the minimum allowed temperature.

## Package

25 kg polyethylene reinforced kraft bag

## Shelf Life

When stored correctly at room temperature, between +5°C and +30°C, away from direct sunlight, the shelf life is 12 months from the date of production. Opened packages should be closed and consumed within 1 week.

## Storage

It should be stored in its unopened original packaging, in a cool and dry environment, protected from frost. For short-term storage, a maximum of 3 pallets should be stacked on top of each other and shipment should be made on a first-in, first-out system. For long-term storage, pallets should not be stacked 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 application, work clothes, protective gloves, glasses and masks in accordance with occupational and worker health rules should be used. It should not be contacted with skin or eyes during storage and application. In case of contact, it should be washed immediately with plenty of water and soap. If swallowed, a doctor should be consulted immediately. Food and beverage materials should not be brought into application areas. It should be stored in places inaccessible to children.

For detailed information, please refer to the Material Safety Data Sheet.

## Disclaimer

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