

INNO-THERM FOX THERM-ALL® FIX FT383

Thermal Insulation Board Adhesive

Description

FOX THERM-ALL® FIX FT383, polymer-modified, cement-based thermal insulation board adhesive suitable for the structure of polystyrene material.

It meets the requirements of TS 13566.

Fields of Application

- It is used for adhering thermal insulation boards to reinforced concrete and plastered surfaces.

Advantages

- It mixes only with water.
- It is easy to prepare and apply.
- Does not slip.
- Provides excellent adhesion.
- It has a long usage time.
- It gains strength quickly.
- Resistant to Freeze-Thaw effect.

Technical Properties

Structure of Material	Mineral fillers, synthetic additives and special polymers	
Density	1,80±0,05 kg/l	
Color	Grey, White	
Compressive Strength	EN 1015-11	≥11 N/mm ²
Flexural Strength	EN 1015-11	≥3,9 N/mm ²
Adhesion Strength to Substrate	EN 1015-12	≥0,50 N/mm ²
Adhesion Strength to Thermal Insulation Board	EN 13494	≥0,08 N/mm ²
Water Absorption	EN 12808-5	30 min. 1,5 kg/m ² min ^{0,5} 240 min. 3,8 kg/m ² min ^{0,5}
Response to Fire	EN 13501-1	A1
Calorific Value	EN ISO 1786	0,11 Mj/kg
Application thickness	Min. 3 mm	
Notching Method	Max. 8 mm	
Application Surface Temperature	+5°C / +30°C	
Service Temperature	-20°C / +80°C	
Maturation Process	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

Surface Preparation

The surfaces to be applied must be solid and free of all kinds of dust and dirt. Areas in need of repair should be repaired with **INNO-CRETE** series repair mortars at least 24 hours before. If the air temperature is above +20°C during application, the surface should be slightly moistened.

Mixing

The appropriate amount of water described on the packaging is poured into a clean mixing bowl. While **FOX THERM-ALL® FIX FT383** 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. There should be no lumps left in the material. After the material is left to rest for 1 minute, it is mixed again for 1 minute to make it ready for application.

Mixing Ratios

Approximately 6,00±0,25 liters of water should be used for 25 kg /1 bag of **FOX THERM-ALL® FIX FT383**.
Approximately 240±10 ml of water should be used for 1kg of **FOX THERM-ALL® FIX FT 383**.



Application

Adhesive is applied with a mortar trowel, in strip form along the edges of the adhesion surfaces of the thermal insulation boards, and in dots on the middle parts of the boards. **FOX THERM-ALL® FIX FT 383** should contact at least 40% of the plate. While the thermal insulation boards are glued, the boards are pressed into place until the desired level and equality is achieved. Depending on the ambient temperature, when **FOX THERM-ALL® FIX FT383** has sufficiently set, the sheets are mechanically attached to the surface with a suitable dowel. While placing the boards in place, the adhesive on the surface of the boards should be prevented from drying and forming a film layer. On very smooth surfaces, **FOX THERM-ALL® FIX FT 383** should be applied using a 10mm x 10mm notched trowel.

Cleaning of Tools

After application, the tools and equipment used should be cleaned with water. **FOX THERM-ALL® FIX FT 383** can only be cleaned from the surface mechanically after hardening.

Consumption

4-5 kg/m²

Watch Points

- After **FOX THERM-ALL® FIX FT 383** is applied to the facade, it must be fixed mechanically by selecting a dowel suitable for the surface.
- In **FOX THERM-ALL® FIX FT 383** 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

The data contained in this technical document is based on our scientific and practical knowledge. SARTECH Yapı Malz. San. ve Tic. Ltd. Şti. is only responsible for the quality of the product. Our company cannot be held responsible for the consequences that may occur due to incorrect use and/or other than written recommendations regarding where and how to use the product. For detailed information, you should refer to the safety data sheet and technical data form or contact our company officials.

