

Torggler

ETICS

Thermal Insulation

MASTOFIX®

Adhesive and levelling compound based on cementitious, selected mineral aggregates, additives. Grain size approx. 1 mm. For bonding and smoothing in ETICS systems of EPS, MW and PIR insulation panels.



- Excellent workability
- Excellent adhesion
- Excellent flexibility



APPLICATION AREAS

Mastofix is suitable for:

- Bonding and smoothing of rock wool, EPS and PIR-coated polyiso foam insulation panels
- Product with requirements according to European guideline EAD 040083-00-0404
- Complies with EN 998-1

TYPES OF SUBSTRATE

- Concrete, brick, cement blocks, plaster, etc.

The substrate must be dry, consistent and free of foreign matter (e.g. dust, soot, algae, efflorescence, etc.). Remove films of release materials (release oil, etc.). Crumbling surfaces or surfaces with a tendency to crumble

must be consolidated with fixative or removed. On old or plastered substrates, insulation panels should generally also be fixed with dowels.

INSTRUCTIONS FOR USE

Preparation for application

The substrate must be dry, frost-free, free of dust, efflorescence, not water-repellent and solid.

Product preparation

Mix Mastofix with approx. 6-6.25 litres of clean water per 25 kg bag in a clean container and stir constantly using a slow motion mortar mixer (max. 500 rpm) until the mix is homogenous and then allow to rest for approx. 5 minutes. Mix again and, if necessary, correct the consistency with a small amount of water. Do not add any other substances to the product.

Instructions for application

Bonding the insulation panels: apply adhesive using the dot-and-strip method (bonding area approx. 40 %). Strip width approx. 5 cm, height approx. 2 cm. Levelling of the insulation boards: Apply skimming approx. 2-3 days after bonding (depending on weather conditions and possible additional dowelling) in a minimum thickness of 3 mm and then spread with a T 12 notched trowel. When the skim coat is completely dry (maximum 7 days depending on weather conditions), the suitable Torggler eTics wall coating can be applied.

The pot life of the mixture is about 4 hours. Material remaining in open containers must not be used or mixed with fresh material. During processing and drying the temperature of the surroundings and substrate must not fall below +5 °C. Until completely dry, protect against frost, excessively fast drying (direct sunlight, wind) and subsequent moisture (rain). Baseboard insulation panels, coated with a system adhesive and wall covering, must be sealed with Torggler Flex 1K or Flexistar in the area below ground level up to approx. 10 cm below the lower end of the skim coat and up to max. 5 cm above ground level (finish with baseboard profile). The relevant national standards must be observed in all cases.

TECHNICAL SPECIFICATIONS

PARAMETER	VALUE
Appearance	white powder
Mixing water	24-25% (6,00-6,25 l per sacco da 25 kg)
Grain size	1,2 mm
Operating time	2 ore (T 23 °C; U.R 50%)
Adhesion on concrete	1,8 N/mm ²
Adesione su polistirolo	0,08 N/ mm ²
Adhesion on polystyrene	4-5 kg
Levelling consumption	4-5 kg
Density (hardened)	ca. 1500 kg/m ³
Specific thermal capacity Cp (J/(kgK))	ca. 1000
Vapour permeability μ	20
Thermal conductivity λ_{10} , dry (EN 1745:2012)	0,50 W/mK (valore tabulare) per P=90%
Modulus of elasticity	6,50 GPa
Bending strength	\geq 4 MPa
Resistance to compression	\geq 10 MPa
Capillary absorption (EN 1015-18)	0,10 kg/m ² min ^{0,5}
Application temperature	da +5 °C a +30 °C
Drying time (+23 °C/50% r.h.)	ca.7 gg
Levelling thickness	3-5 mm

Reaction to fire	NPD
Packaging size	25 kg
Packaging	bag
Color	White
Pallet	50 bags

CONSUMPTION

As an adhesive: 4-5 kg/m². As a levelling mortar: 4-5 kg/m², approximate figure, depending on the flatness of the substrate.

STORAGE

Store Mastofix in a dry, sheltered environment. In the original unopened bags it will keep for at least 12 months. Protect against moisture.

The information contained in this document is reported on the basis of our experience and knowledge; therefore, any recommendations and suggestions made are without any guarantee and must be verified before using the product by those who intend to use it, who assume all responsibility that may result from its use since the conditions of use are not under our direct control. In case of doubt, it is always advisable to make preliminary tests and/or ask for the intervention of our technicians. Torggler reserves the right to modify, replace and/or delete the items, as well as to change the product data in this document without prior notice; in this case the indications given here may no longer be valid. Always refer to the latest version of the data sheet, available at www.torggler.com. Version 27.06.2024.