

Torggler

Thermal Insulation

EKOMIX PLUS

Powder finishing mortar and adhesive made of cement, selected mineral aggregates, additives. For bonding and smoothing mineral wool insulation panels. Component of the Ekomix Wool system.



APPLICATION AREAS

Ekomix Plus is suitable for:

- Bonding and rendering mineral wool panels
- Product with requirements in accordance with ETAG 004

WARNINGS

Ekomix Plus, in its grey version, is admixed with a special reducing agent to ensure compliance with the limit concentration of 0.0002% (2 ppm) of water-soluble hexavalent chromium (in relation to the weight of the Portland cement contained). See the information on the packaging according to Directive 2003/53/EC.

INSTRUCTIONS FOR USE

Preparation for use

The substrate must be dry, not frozen, free of dust, efflorescence, not water-repellent and solid. The wall flatness must be within the tolerances prescribed by ÖNORM DIN 18202.

Product preparation

Mix Ekomix Plus with approx. 6.00-6.25 litres of clean water per 25 kg bag (0.24-0.25 litres of water per 1 kg powder) in a clean container and stir constantly using a low speed mortar mixer (max. 500 rpm) until the mixture is homogeneous and then leave to stand for approx. 5 minutes. Mix again and, if necessary, correct the consistency with a small amount of water. Do not add other substances to the product.

Instructions for use

Bonding of the insulation panels: apply the adhesive using the spots and strip method (bonding surface approx. 40 %). Strip width approx. 4 cm, height approx. 2 cm. Render of insulation panels: apply the render approx. 2-3 days after bonding (depending on the weather conditions and any additional dowelling) in a minimum thickness of 3 mm and then spread with a toothed trowel. Bury the T50 reinforcement mesh in the skimming bed; at the joints overlap by at least 10 cm and cover it completely with the trowel. When the mortar is completely dry (maximum 7 days depending on the weather conditions), the suitable Torggler EKOR wall coating can be applied. The mixture workability time is about 4 hours. Material left in open containers should no longer be used or mixed with fresh material. During the processing and drying step, the temperature of the surrounding environment and the substrate must not fall below +5 °C. Protect against frost, too fast drying (direct beating sun, wind) and subsequent humidity (rain) until completely dry.

TECHNICAL SPECIFICATIONS

Product	Ekomix Plus White	Ekomix Plus Grey
Appearance	white powder	grey powder
Mixing water	24-25% (6.00-6.25 l per 25 kg bag)	24-25% (6.00-6.25 l per 25 kg bag)
Particle size	≤0.8 mm	≤0.8 mm
Workability time	4 hours	4 hours
Open time	20 minutes	20 minutes
Adhesion on concrete	≥ 0.6 MPa	≥ 0.6 MPa
Adhesion to the wool panel	≥ 0.08 MPa	≥ 0.08 MPa
Application temperature	from + 5 °C to +25 °C	from + 5 °C to +25 °C
Thermal resistance	-30 °C to +80 °C	-30 °C to +80 °C
Polymerization	from 6 to 24 hours	from 6 to 24 hours
Color	Grey, White	
Packaging	bag	
Packaging size	25 kg	
Pallet	50 bags	

CONSUMPTION

The consumption of Ekomix Plus depends on its application.

As adhesive: from 4 to 5 kg/m².

As a rendering coat: from 3 to 4 kg/m².

STORAGE

Store Ekomix Plus in a dry and sheltered place. In the original closed bags it is kept for at least 12 months.

PROTECT FROM HUMIDITY.

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 11.02.2021.