

MARCOTHERM ADESIVO

FIBRE-REINFORCED POWDER LEVELLING ADHESIVE - FOR COAT THERMAL SYSTEMS

code 9570019/0160

DESCRIPTION

MARCOTHERM ADESIVO is a cement based powder adhesive loaded with selected minerals, specific additives and resins.

MARCOTHERM ADESIVO is a specific product for MARCOTHERM External Thermal Insulation Composite Systems (ETICS), suitable for the bonding of panels as well as for successive levelling.

MARCOTHERM ADESIVO offers excellent adhesion to both new and previously coated surfaces.

Easy to apply, thanks to its paste-like consistency, it is a product that can be applied in thick layers without cracking.

INSTRUCTIONS FOR USE

May be applied on:

Walls of thin-set mortar, brick, concrete as well as previously coated surfaces.

Specific for the bonding of MARCOTHERM ISOLANTE insulation panels and for the successive levelling with the incorporation of MARCOTHERM RETE.

TECHNICAL SPECIFICATIONS

- Type of Binder: Cement and synthetic resins.
- Specific weight of the ready to use product: approx. 1.6 Kg/l
- Appearance: White or grey powder
- Marble grain size: maximum 0.75 mm
- Pot-life: 4 hours at 20 °C
- CE marking per EN 998-1
- Flame reaction per EN13501: Class A2 s1 d0
- Drying very much depends on the temperature and humidity levels of the air and the substrate; in any case, the product should not be painted over for at least 10 days, and not before it has been determined to be perfectly dry (no humidity stains).
- For further information please refer to the European Technical Approval ETA 07/0015.

PREPARING THE SURFACE

MARCOTHERM External Thermal Insulation Composite System:

- Check the condition of the substrate. The surface must be solid. If this is not the case, solidify or reconstruct the surface with specific products.
- Brush away any growth present or remove by means of high pressure water cleaning;
- If mould is present, treat the surface with COMBAT 222 Detergent 4810222 and with COMBAT 333 Restorer 4810333.
- For particularly grainy surfaces, whether brick, mortar or concrete, apply a layer of appropriately diluted ATOMO.
- Ensure that the substrate is completely dry and apply MARCOTHERM ADESIVO for the bonding of polystyrene panels.
- On flat mortar or concrete walls apply the adhesive over the entire surface of the panel with the exception of a 2 cm long strip around all borders of the panel.
- On irregular walls (e.g. unrendered brick), the adhesive

must be applied at points on the panel covering a surface of 40-50%.

- Fasten the panels with MARCOTHERM TASSELLI.
 - Apply a coat of MARCOTHERM ADESIVO to the perfectly fixed panels and sink MARCOTHERM RETE into it by applying pressure using a steel putty knife.
 - Approximately 24 hours later, cover with a second coat of MARCOTHERM ADESIVO in order to obtain a smooth surface suitable for the protective finishing coat.
 - Coat with the water-base fixative MARCOTHERM PRIMER 4740019.
 - Paint the surface using finishing products from the MARCOTHERM line.
- *(Dilutions of the insulator and the amount to apply are based on the absorption of the substrate and are determined by means of preliminary tests on the specific substrate - Consult the relative technical data sheet).

APPLICATION INSTRUCTIONS

- Conditions of the environmental and the substrate:
Air temperature: Min. +5 °C / Max. +35 °C
Temperature of the substrate: Min. +5 °C / Max. +35 °C.
- Avoid application in the presence of strong wind, fog, direct sunlight or light rain.
- Do not apply to frozen or thawing surfaces.
- On very absorbent surfaces, and in the summer months, dampen the substrate before applying the product.
- Method for preparing the paste:
Dilution: 6 litres of water per bag
Mix the product with the requested amount of water until a homogenous mixture without lumps is obtained. Apply with a putty knife, notched adhesive spreader or a metal trowel.
- Apply a thickness of up to 5 mm.
- Do not add additional water during application in order to reduce viscosity.
- Clean the tools immediately after use with water.
- Indicative spreading rate of powder product:
.Theoretical consumption: 1.0 kg/sqm per mm thickness
.Adhesion of the entire surface: 3.3-4.4 kg/sqm
.Spot bonding: 2.6-3.5 kg/sqm
.Leveling with net: 3.3-4.4 kg/sqm

TINTING

The product is available in the colours white (9570019) and grey (9570160).

STORAGE

Maximum storage temperature: +30° C
Minimum storage temperature: +5° C
Stability in the original unopened containers and with suitable temperature conditions: 1 year.

SAFETY RULES

Dir. 2004/42/EC not applicable

Irritating to respiratory system and skin / risk of serious damage to eyes / may cause sensitization by skin contact / keep out of reach of children / do not breathe dust / avoid

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contact with skin and eyes / in case of contact with eyes, rinse immediately with plenty of water and seek medical advice / wear suitable protective clothing and gloves / if swallowed, seek medical advice immediately and show this container or label / do not empty into drains.

Transport, use and store this product in accordance with current health and safety legislation; dispose of container properly after use; allow residues to dry completely and treat as special waste.

Refer to the safety data sheet for further information.

SPECIFICATION ITEM

Powdered adhesive for thermal insulation coatings.

Application, on previously prepared surfaces of powder levelling adhesive MARCOTHERM ADESIVO code 9570160/0019, composed of cement, special additives and resins for the bonding of polystyrene wall panels and for levelling with the incorporation of mesh needed to create an external thermal insulation composite system.

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