



## **GOLDEN THERMO BOND**

### **ONE-COMPONENT MORTAR FOR FAIRING/MESH SYSTEMS AND FOR THE GLUEING OF THERMAL INSULATION SYSTEMS.**

#### **DESCRIPTION**

**GOLDEN THERMO BOND** is a one-component powder based on mineral cements, reactive silica, selected aggregates and appropriate additives, polymer. Mixed with water it forms a mortar easy to apply to all kinds of supports allowing to smoothen new and old surfaces before finishing with a paints, and to install insulating panels .

#### **ADVANTAGES**

- Quick and easy application.
- Possibility of installation to any substrate
- Breathable and waterproof.
- Contains polymers, should be mixed with water only.
- Mechanical values in line with the plaster.
- Does not require the use of a primer.
- Contains no solvents, is non-flammable.

#### **INDICATED USE**

- If the fairing of new or old surfaces is required before finishing with paints of the line **GOLDEN DROPS**.
- For fast smoothening and finishing a variety of surfaces.
- To incorporate reinforcement nets in the case of cracked substrate.
- For bonding and leveling insulating panels.

#### **METHOD OF USE**

In case of application to dusty and crumbly substrates, remove loose with a spatula or brush dry or with water pressure, remove any traces of oil and grease. Adequately and uniformly wet the surface with water before the application. **Do not wet when the product is used to level on insulation boards.**

Mix **GOLDEN THERMO BOND** with water in the proportions of 5 to 6 liters per 25 kg bag until the consistency is quite homogeneous. We recommend mixing with drill with mixer attachment with high efficiency. Wait a few minutes and remix for about 30 seconds before the application to allow complete dispersion of the polymeric part.

#### **INSTALLATION OF THERMAL INSULATION:**

Apply **GOLDEN THERMO BOND** possibly in several points on the panels with a spatula and apply the panel to the substrate, do not move the panel for a few minutes. If required, fix the panels with suitable plastic nails . Subsequently to the positioning of the panels, proceed to the positioning of reinforcing mesh **GOLDEN NET FX**

according to the following method: apply by trowel a layer of **GOLDEN THERMO BOND**, immediately place the reinforcing mesh overlapping the edges of at least 10 cm., Next embeds the net with **GOLDEN THERMO BOND** and smooth.

After 24 hours you can finish and apply **GOLDEN RASOFLEX**. (see Technical Data Sheet).

#### **CYCLE "REINFORCED RENDERING"**

Apply a coat of **GOLDEN THERMO BOND** with a trowel or blade. Immediately after, embedd the reinforcing mesh **GOLDEN NET FX**, overlapping the edges of at least 10 cm., Apply another layer with a trowel of **GOLDEN THERMO BOND** and smooth.

After 24 hours it is possible to finish and apply **GOLDEN RASOFLEX** (see Technical Data Sheet).

#### **TYPICAL CHARACTERISTICS (Typical values 21 °C 55% R.H.)**

- |                                   |                                |
|-----------------------------------|--------------------------------|
| • Density of mixture :            | about 1,95 Kg/litre            |
| • Mixing water :                  | 22÷23%                         |
| • Workability time (20°C):        | about 30 minutes               |
| • Initial setting time (20°C):    | about 2 hours                  |
| • Min.temperature of application: | +5°C                           |
| • Static modulus of elasticity:   | about 15.800 N/mm <sup>2</sup> |
| • Compressive strength (28 d.):   | 34 N/mm <sup>2</sup>           |
| • Flexural strength (28 d.):      | 12 N/mm <sup>2</sup>           |
| • Adhesion :                      | > 0,9 /N/mm <sup>2</sup>       |
| • Vapour permeability             | μ < 90                         |

## CONSUMPTION

Gluing of insulation plates about  $\sim 4 \text{ Kg/m}^2$ .  
Fairing of insulation plates about  $\sim 4 \text{ Kg/m}^2$ .  
Formation cycle "net-fairing" as base on the substrate,  
average  $5 \text{ Kg/m}^2$ .

## COLOUR

Grey

## PACKAGING

Bags of 25 Kg. It is a powder product.

## REMARK

Do not remix the past but use within the workability time. Do not use the product at ambient temperatures below  $+5^\circ\text{C}$ .

## STORAGE

Information according to 2003/53/CE:

**Storage:** 12 months in original packaging, unopened, kept in a dry and protected area in temperatures between  $+5^\circ\text{C}$  and  $+35^\circ\text{C}$ .

## PRECAUTIONS

As with all cement-based products can irritate the skin and eyes. We therefore recommend the use of goggles, gloves and dust masks.

Immediately flush skin and eyes in case of accidental spillage.

Consult the Material Safety Data Sheet of the product.

The data are based on our practical experience and laboratory test. We assume no responsibility for any negative results from improper use that are due to factors unrelated to the quality of the product.

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