

# THERMO FIX

Render and plastering mortar

GREY COLOUR



| UNIT      | UNITS/PALLET     | CONSUMPTION           | COLOUR/FURTHER SPECIFICATIONS |
|-----------|------------------|-----------------------|-------------------------------|
| 25 kg/bag | 48 unit s/pallet | 3–5 kg/m <sup>2</sup> | Grey colour                   |

## PRODUCT DESCRIPTION

Titanium Thermofix is a fibre-reinforced powder adhesive and skim coat for the installation of external thermal insulation composite systems (ETICS). It is used for bonding and subsequently skimming all common types of insulation board, such as EPS, XPS, rock wool, glass wool, graphite and mineral fibre, on masonry, concrete or cement-bound render. Titanium Thermofix is a high-quality, pre-mixed adhesive based on grey Portland cement with special additives to improve workability and adhesion on difficult substrates. Ideal for use on external façades as well as for interior rooms. The insulation boards are skimmed in two coats, combined with the embedding of an alkali-resistant glass-fibre mesh.

## SUBSTRATE PREPARATION

The substrates must be compact, cured and load-bearing, free from oil, cracks, old paint or loose material. Bonded bricks must adhere well; loose parts are to be removed and made good. Rendered surfaces are to be sanded down in order to remove loose paint layers or non-adhering coatings. Dusty surfaces are to be treated with acrylic primer. Surface cracks can be filled with Titanium Thermofix; deep cracks are to be properly repaired in order to eliminate the causes.

## PRODUCT PREPARATION

Slowly sprinkle the 25 kg bag into 6–7 litres of clean water and work it with an electric mixer at low speed or with a trowel to a homogeneous, lump-free mass.

## APPLICATION

Before bonding the insulation boards, levelled metal profiles must be fixed for alignment. On uneven surfaces (e.g. unrendered masonry) the adhesive is applied as beads along the edge contours and as dabs (or a cross) in the centre of the back of the insulation board, in order to compensate for unevenness. On smooth surfaces the adhesive is applied with a 10 mm notched trowel over the entire back of the board. The bonded area should amount to at least 40 % of the board surface. The boards are to be laid horizontally from the bottom upwards. Joints between the boards are to be executed tightly and without voids or offsets. After bonding, the boards are mechanically fixed with anchors (for standard boards of 50 × 100 cm, approx. 8 anchors per m<sup>2</sup> are recommended).

## STORAGE AND SHELF LIFE

Shelf life 12 months from the production date (printed on the packaging). Store dry on wooden pallets.

## TECHNICAL DATA

|                                    |                               |
|------------------------------------|-------------------------------|
| Form                               | <b>Powder</b>                 |
| Colour                             | <b>Grey</b>                   |
| Density                            | <b>6-7 l / 25 kg</b>          |
| Application temperature            | <b>+5 °C to +30 °C</b>        |
| Open time to EN 998-1:2016         | <b>&gt; 20 minutes</b>        |
| Adjustment time                    | <b>&gt; 30 minutes</b>        |
| Adhesion                           | <b>≥ 0.3 N/mm<sup>2</sup></b> |
| Water absorption                   | <b>≥ Category Wc2</b>         |
| Water vapour diffusion coefficient | <b>μ25</b>                    |
| Thermal conductivity               | <b>0.55 W/m·K</b>             |

## DECLARATION OF PERFORMANCE



**TITANIUM**  
EN 998-1:2016

**Manufacturer:** REFIX SH.P.K. RKS  
**DoP** 005/20.08.2025  
**Standard:** EN 998-1:2016

**Mineral render and adhesive for EPS, XPS and mineral wool – Titanium Thermofix**

|                                    |                                                                                               |
|------------------------------------|-----------------------------------------------------------------------------------------------|
| Reaction to fire                   | <b>Class A1</b>                                                                               |
| Release of dangerous substances    | <b>see safety data sheet (MSDS)</b>                                                           |
| Adhesion                           | <b>≥ 0.3 N/mm<sup>2</sup></b>                                                                 |
| Water absorption                   | <b>≥ Category Wc2</b>                                                                         |
| Water vapour diffusion coefficient | <b>μ25</b>                                                                                    |
| Thermal conductivity               | <b>0.50 W/m·K</b>                                                                             |
| Durability (freeze/thaw)           | <b>Assessment based on the provisions in force at the intended place of use of the mortar</b> |