

THERMO FLEX

Render and plastering mortar

WHITE COLOUR



UNIT	UNITS/PALLET	CONSUMPTION	COLOUR/FURTHER SPECIFICATIONS
25 kg/bag	48 unit s/pallet	3–5 kg/m ²	White colour

PRODUCT DESCRIPTION

Titanium Thermoflex is a powdered, fibre-reinforced adhesive and reinforcing mortar based on high-quality white Portland cement and special additives. The product is used for the installation of external thermal insulation composite systems (ETICS) and ensures the bonding and skimming of all insulation boards such as EPS, XPS, rock wool, glass wool, graphite boards and mineral fibre boards. Suitable for application on brick masonry, concrete and cement-based render.

FIELDS OF APPLICATION

Bonding and reinforcing insulation boards in ETICS systems. Suitable for external façades and interior rooms. Can be used in two coats in combination with alkali-resistant glass-fibre mesh.

SUBSTRATE PREPARATION

The substrate must be load-bearing, stable and free from oil, dust, paint and loose parts. Check the masonry for adhesion and strength; remove damaged parts and repair with mortar. Surfaces coated with fine filler must be sanded down in order to remove old paint and loose areas. Treat dusty substrates with acrylic primer. Close surface cracks with Thermoflex; deep structural cracks must be thoroughly repaired.

PRODUCT PREPARATION

Slowly mix the contents of a 25 kg bag into 6–7 litres of clean water. Mix with a slow-running paddle mixer or by hand with a trowel until a homogeneous, lump-free mass is obtained.

APPLICATION

First fix levelled metal profiles as a mounting base. On uneven substrates (e.g. unrendered brick masonry) apply the adhesive as beads along the edges and as dabs in the centre (e.g. in an X pattern). On level surfaces apply the adhesive over the full surface with a 10 mm notched trowel. At least 40 % of the back of the board must be covered with adhesive. Lay the boards horizontally from the bottom upwards, without voids or offsets at the joints. After bonding, mechanically fix with anchors; for standard boards (50 × 100 cm), 8 adhesive dabs per m² are recommended.

STORAGE AND SHELF LIFE

Shelf life: 12 months from the date of manufacture (see packaging). Store dry on wooden pallets.

TECHNICAL DATA

Form	Powder
Colour	White
Density	6-7 l / 25 kg
Application temperature	+5 °C to +30 °C
Open time to EN 998-1:2016	> 20 minutes
Adjustment time	> 30 minutes
Adhesion	≥ 0.3 N/mm²
Water absorption	≥ Category Wc2
Water vapour diffusion coefficient	μ25
Thermal conductivity	0.55 W/m·K

DECLARATION OF PERFORMANCE



TITANIUM
EN 998-1:2016

Manufacturer: REFIX SH.P.K. RKS
DoP 006/20.08.2025
Standard: EN 998-1:2016

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

Reaction to fire	Class A1
Release of dangerous substances	see safety data sheet (MSDS)
Adhesion	≥ 0.3 N/mm²
Water absorption	≥ Category Wc2
Water vapour diffusion coefficient	μ25
Thermal conductivity	0.55 W/m·K
Durability (freeze/thaw)	Assessment based on the provisions in force at the intended place of use of the mortar