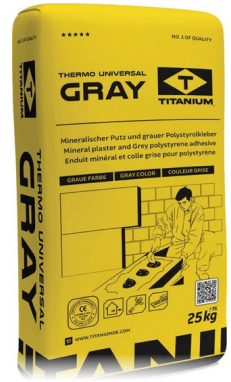


THERMO UNIVERSAL GRAY

Mineral render and grey polystyrene adhesive

GREY COLOUR



UNIT	UNITS/PALLET	CONSUMPTION	COLOUR/FURTHER SPECIFICATIONS
25 kg/bag	48 unit s/pallet	6–7 kg/25 kg	Grey colour

PRODUCT DESCRIPTION

Titanium Thermouniversal Grey is a reinforced powder adhesive and skim coat developed for the installation of external thermal insulation composite systems (ETICS). It is used for bonding and subsequently skimming all types of boards commonly used in ETICS, such as EPS or graphite boards, on brick, concrete or cement render walls. Thermouniversal is a pre-mixed material based on high-quality grey Portland cement with special additives that improve workability and adhesion on difficult surfaces. Thermouniversal is ideal for both external façades and interior rooms. The boards are skimmed in two coats, combined with the embedding of an alkali-resistant glass-fibre mesh.

SUBSTRATE PREPARATION

The substrates must be compact, stable and free from oils, cracks, paint or loose parts. Make sure that the bricks are firmly bonded and free from loose parts. Where necessary, remove loose parts and repair the substrate with render. Walls coated with Fino must be sanded down in order to check whether old, non-adhering paint or loose parts are present. Powdery surfaces should be treated with Putzgrund. Surface cracks can be filled with Thermouniversal, while deep structural cracks must be treated in such a way that the causes are eliminated and recurrence is prevented.

PRODUCT PREPARATION

Mixing is carried out in a clean container. The contents of a 25 kg bag are added gradually to 6–7 litres of water and stirred with an electric mixer at low speed or with a trowel until a homogeneous, lump-free mass is obtained.

APPLICATION

Before starting to bond the boards, horizontally aligned metal profiles must be fixed to ensure stable board positioning. On uneven surfaces (unrendered brick walls) the adhesive is applied with a trowel as beads along the edges and as dabs in the centre (or in an "X" pattern) in order to compensate for unevenness. On level surfaces the adhesive is spread over the entire board area with a 10 mm notched trowel, so that at least 40 % of the board surface is covered. The boards are laid horizontally from the bottom upwards, taking care that no voids or differences in height occur at the joints. The boards are then mechanically fixed with anchors. For standard boards of 50 x 100 cm, 8 adhesive dabs per square metre are recommended.

STORAGE AND SHELF LIFE

12 months; store dry on wooden pallets. The production date is indicated on the packaging.

ADDITIONAL INFORMATION

Technical documentation and the safety data sheet are available on the official website: www.titanium-baustoffe.de

TECHNICAL DATA

Form	Powder
Colour	Grey
Density	6.0–7.0 l / 25 kg
Application temperature	+5 °C to +30 °C
Compressive strength	5.9 N/mm² (Class CS III)
Capillary water absorption	0.18 kg/m²·h^{0.5} (Category Wc2)
Adhesion	1.21 N/mm²
Thermal conductivity	0.85 W/m·K

DECLARATION OF PERFORMANCE**TITANIUM**
EN 998-1:2016**Manufacturer:** REFIX SH.P.K. RKS
DoP-204-1/05.12.2025
Standard: EN 998-1:2016**TITANIUM-THERMO UNIVERSAL GRAUE**

Compressive strength	≥ 5.90 N/mm²
Capillary water absorption	W2
Adhesion	1.21N/mm²
Thermal conductivity	0.85 W/m·K