

THERMO UNIVERSAL WHITE

Bonding and levelling in ETICS

WHITE COLOUR



UNIT	UNITS/PALLET	CONSUMPTION	COLOUR/FURTHER SPECIFICATIONS
25 kg/bag	48 units/pallet	6–7 l/25 kg	White colour

PRODUCT DESCRIPTION

Titanium Thermouniversal White is a reinforced powder adhesive and levelling compound for ETICS insulation systems. It is used for bonding and subsequently levelling all common board types, such as EPS and graphite boards, on masonry, concrete or cement-based render. Thermouniversal is a pre-mixed material based on high-quality white Portland cement, with special additives that improve workability and adhesion on difficult surfaces. It is ideal for external façades and interior rooms. Levelling of the boards should be carried out in two coats, combined with the installation of an alkali-resistant glass-fibre mesh.

SUBSTRATE PREPARATION

The substrates must be compact, stable and free from oils, cracks, old paint or loose parts. Check that the bricks are well bonded and free from detachable parts. Remove weak areas and, if necessary, make good with render. Walls coated with Fino should be scraped in order to check whether the underlying surface has poorly adhering old paint or loose parts. Treat powdery surfaces with Putzgrund. Surface cracks can be filled with Thermouniversal; deep structural cracks must be treated in order to eliminate the cause and prevent recurrence.

PRODUCT PREPARATION

Slowly add the contents of a 25 kg bag to 6–7 litres of clean water in a clean container. Mix with an electric mixer at low speed or with a trowel until a homogeneous, lump-free mass is obtained.

APPLICATION

Before starting, fix metal profiles for accurate positioning. On uneven surfaces (e.g. unrendered masonry) apply the adhesive as beads along the edges and as dabs in the centre (or an X in the centre) in order to compensate for unevenness. On level surfaces apply the adhesive with a 10 mm notched trowel over the entire board area, covering at least 40 % of the surface. Lay the boards horizontally from the bottom upwards, avoiding gaps or unevenness. Mechanically fix with anchors (for standard boards of 50 x 100 cm, 8 adhesive dabs per m² are recommended).

STORAGE AND SHELF LIFE

12 months; store dry on wooden pallets. Date of manufacture indicated on the packaging.

ADDITIONAL INFORMATION

Technical documentation and safety data sheet available at: www.titanium-baustoffe.de

TECHNICAL DATA

Form	Powder
Colour	White
Density	6.0–7.0 l / 25 kg
Application temperature	+5 °C to +30 °C
Compressive strength	6.5 N/mm² (Class CS III)
Capillary water absorption	0.11 kg/m²·h^{0.5} (Category Wc2)
Adhesion	1.29 N/mm²
Thermal conductivity	0.90 W/m·K

DECLARATION OF PERFORMANCE



TITANIUM
EN 998-1:2016

Manufacturer: REFIX SH.P.K. RKS
DoP-205-1/05.12.2025
Standard: EN 998-1:2016

TITANIUM-THERMO UNIVERSAL WEISE

Compressive strength	≥ 6.50 N/mm²
Capillary water absorption	W2
Adhesion	1.29 N/mm²
Thermal conductivity	0.90 W/m·K