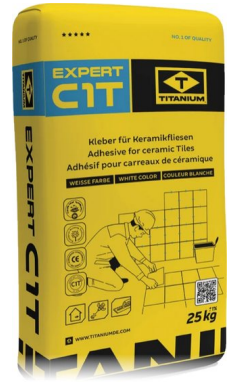


EXPERT C1T

Adhesive for ceramic tiles

WHITE COLOUR



UNIT	UNITS/PALLET	CONSUMPTION	COLOUR
25 kg/bag	48 unit s/pallet	3-5 kg/m ²	White

PRODUCT DESCRIPTION

Titanium EXPERT C1T is a pre-mixed adhesive mortar based on Portland cement, selected aggregates and special additives. Suitable for bonding tiles of different formats and of non-porous materials as well as natural stone. Product for interior use.

FIELDS OF APPLICATION

Bonding of wall and floor tiles in interior areas. Application on concrete, self-levelling substrates and cement-based render. Can be used in external insulation systems with a cement-based substrate. Suitable for ceramic tiles, tiles of different formats and tiles with high water absorption. For use in residential areas and rooms at normal temperature.

LIMITATIONS

Not suitable for gypsum-based renders, plastics, metals and wood. Not suitable for damp substrates or permanently damp environments.

SUBSTRATE PREPARATION

Air and substrate temperature during application and drying: between +5 °C and +30 °C. The substrate must be sound, dry, clean and level. On old substrates or render, a suitable primer is recommended.

PRODUCT PREPARATION

Mix 25 kg of powder into 6-7 litres of clean water. Mix with a slow-running stirrer or by hand with a trowel to a homogeneous, lump-free mass. Allow the mix to stand for 8 minutes before it is applied.

APPLICATION

Mix again before application. Apply with a notched trowel according to the tile format. Apply a thin contact coat with the smooth side of the trowel in order to remove dust and even out absorbency. Place the tiles with light pressure and press them on carefully to ensure full contact. Position the tiles within 20 minutes of applying the adhesive. If a skin forms on the surface, apply a fresh coat of adhesive with the notched trowel. Grouting after 48 hours at the earliest.

TOOLS

Electric stirrer for mixing. Steel smoothing trowel.

STORAGE AND SHELF LIFE

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

Standard: System 3 · Titanium EXPERT C1T · EN 12004:2007+A1:2012

TECHNICAL DATA

Form	Powder
Colour	White
Mixing water	6-7 l / 25 kg
Application temperature	+5 °C to +30 °C
Open time (EN 12004)	> 20 minutes
Adjustment time	> 30 minutes
Tensile adhesion strength after water immersion	≥ 0.5 N/mm²
Tensile adhesion strength after freeze-thaw cycles	≥ 0.5 N/mm²
Tensile adhesion strength after heat ageing	≥ 0.5 N/mm²
Slip resistance	≤ 0.5 mm

CONSUMPTION

Depending on the notched trowel used

TROWEL NOTCH SIZE (MM)	CONSUMPTION (KG/M ²)
4 mm	2.0 kg/m²
6 mm	2.7 kg/m²
8 mm	3.3 kg/m²
10 mm	4.0 kg/m²

DECLARATION OF PERFORMANCE



TITANIUM

EN 12004:2007+ A1:2012

Manufacturer: REFIX SH.P.K. RKS

DoP 004/20.08.2025

Standard: EN 12004:2007+ A1:2012

Tile adhesive Titanium Expert C1T

Reaction to fire	Class A1
Release of dangerous substances	see safety data sheet (MSDS)
Early tensile adhesion strength	≥ 0.5 N/mm²
Initial tensile adhesion strength	≥ 0.5 N/mm²
Tensile adhesion strength after heat ageing	≥ 0.5 N/mm²
Tensile adhesion strength after water immersion	≥ 0.5 N/mm²
Tensile adhesion strength after heat ageing	≥ 0.5 N/mm²
Tensile adhesion strength after freeze-thaw cycles	≥ 0.5 N/mm²
Slip resistance	≤ 0.5 mm