

TITAN C1

Adhesive for ceramic tiles

GREY COLOUR



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

PRODUCT DESCRIPTION

Ready-to-use adhesive based on Portland cement, selected inert fillers and special additives for laying tiles in a range of formats. Suitable for non-porous tiles and for natural stone.

FIELDS OF APPLICATION

Bonding of wall and floor tiles. Suitable for interior use only. For laying on level substrates indoors. Can be applied to concrete, self-levelling screed and mortar. Suitable for cement-based external insulation systems. Ideal for ceramic tiles and highly absorbent tiles.

SUBSTRATE PREPARATION

The substrate must be sound, dry, clean and level. Application temperature: between +5 °C and +30 °C. Old substrates and mortars must be treated with a primer.

PRODUCT PREPARATION

Slowly stir the contents of a 25 kg bag into 6–7 litres of clean water. Mix with a slow-running electric mixer or by hand with a trowel until a homogeneous, lump-free mass is obtained. Allow to stand for 10 minutes before use.

APPLICATION

Apply with a notched trowel, depending on the type and size of the tiles. First apply a thin contact coat to bind dust and improve adhesion. Press the tiles on lightly and tap them gently until full contact with the adhesive is achieved. Final positioning within 20 minutes. If a surface film forms, apply fresh adhesive again with the notched trowel. Grouting after 48 hours at the earliest.

TOOLS

Electric mixer. Steel smoothing trowel.

STORAGE AND SHELF LIFE

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

Standard: System 3 · Titanium Titan C1 · EN 12004:2007+A1:2012

TECHNICAL DATA

Form	Powder
Colour	Grey
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
Tensile adhesion strength under standard conditions	≥ 0.5 N/mm²

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 001/20.08.2025

Standard: EN 12004:2007+ A1:2012

Tile adhesive Titanium Titan C1

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