

SUPERFLEX C2TES1

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 Super Flex C2TES1 is a pre-mixed adhesive mortar based on Portland cement, selected aggregates and special additives with high flexibility. It is particularly suitable for laying tiles of different formats and of non-porous materials such as natural stone.

FIELDS OF APPLICATION

Tile laying on walls and floors. For interior and exterior areas. Can be used on concrete, self-levelling substrates and cement mortar. Suitable for external thermal insulation composite systems on cement-based substrates. Ideal for ceramic tiles, porcelain stoneware, porcelain, mosaic, marble slabs and highly absorbent tiles. Can be used in residential, commercial and industrial buildings, also at very low temperatures and in frost.

LIMITATIONS

Not suitable for gypsum-based mortars, plastic, metal or wood. Do not use on damp substrates or in permanently wet environments.

SUBSTRATE PREPARATION

Ambient temperature and substrate during application: between +5 °C and +30 °C. Substrates must be sound, dry, clean and level. Old substrates or mortars must be pre-treated with a suitable primer.

PRODUCT PREPARATION

Mix 25 kg of powder with 6-7 l of clean water in a clean container. Blend with a slow-running stirrer or a trowel to a homogeneous, lump-free mass. Allow the mix to stand for 10 minutes.

APPLICATION

Mix again before application. Apply with a notched trowel according to the tile size. Apply a first thin coat with the smooth side of the trowel to bind dust and regulate absorbency. Place the tiles with light pressure and careful tapping. Position the tiles within 30 minutes of application. If a skin forms on the surface, apply a new fresh coat with the notched trowel. Grouting is recommended after 48 hours.

TOOLS

Electric stirrer. Steel smoothing trowel.

STORAGE AND SHELF LIFE

12 months from the production date (stated on the packaging). Store dry, on wooden pallets.

Standard: System 3 · Titanium Superflex C2TES1 · 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	≥ 1.0 N/mm²
Tensile adhesion strength after freeze-thaw cycles	≥ 1.0 N/mm²
Tensile adhesion strength after heat ageing	≥ 1.0 N/mm²
Slip resistance	≤ 0.5 mm

CONSUMPTION

Depending on the notched trowel used

TROWEL NOTCH SIZE (MM)	CONSUMPTION (KG/M²)
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 002/20.08.2025

Standard: EN 12004:2007+A1:2012

Tile adhesive Titanium Super Flex C2TES1· for interior and exterior use

Reaction to fire	Class A1
Release of dangerous substances	see safety data sheet (MSDS)
Early tensile adhesion strength	≥ 1.0 N/mm²
Initial tensile adhesion strength	≥ 1.0 N/mm²
Tensile adhesion strength after heat ageing	≥ 1.0 N/mm²
Tensile adhesion strength after water immersion	≥ 1.0 N/mm²
Tensile adhesion strength after heat ageing	≥ 1.0 N/mm²
Tensile adhesion strength after freeze-thaw cycles	≥ 1.0 N/mm²
Extended open time	≥ 0.5 N/mm²
Slip resistance	≤ 0.5 mm
Transverse deformation	≥ 2.5 mm and < 5 mm