

FLEX C2TE

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 Flex C2TE is a pre-mixed adhesive mortar based on Portland cement, selected aggregates and special additives with high flexibility. Suitable for laying tiles of various formats and materials indoors and outdoors.

FIELDS OF APPLICATION

Laying of wall and floor tiles. Suitable for non-porous tiles and natural stone. Suitable for interior and exterior areas. Application on concrete, self-levelling substrates and cement-based render. Can be used in external insulation systems with a cement-based substrate. For ceramic tiles, porcelain stoneware, porcelain, mosaic, marble slabs and highly absorbent tiles. Can be used in areas with very low temperatures and frost, in residential, commercial and industrial buildings.

LIMITATIONS

Not suitable for gypsum-based renders, plastics, metals and wood. Do not use on damp substrates or in permanently damp areas.

SUBSTRATE PREPARATION

Temperature of air and substrate during application and drying: +5 °C to +30 °C. Substrates must be sound, dry, clean and level. On old render layers, a suitable primer is recommended.

PRODUCT PREPARATION

Mix 25 kg of powder with 6.5–7.0 l of clean water in a clean vessel. 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 press them on carefully for full contact. Position the tiles within 30 minutes of applying the adhesive. If a skin forms on the surface, apply a fresh coat of adhesive. Grouting is possible after 48 hours.

TOOLS

Electric mixer. 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 Flex C2TE · EN 12004:2007+A1:2012

TECHNICAL DATA

Form	Powder
Colour	White
Mixing water	6.5-7 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 003/20.08.2025

Standard: EN 12004:2007+ A1:2012

Tile adhesive Titanium Flex C2TE

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