

xtreme



SuperCol C2TES1 PISCINAS TECHNICAL DATA SHEET



SuperCol C2TES1 PISCINAS

DESCRIPTION

SuperCol C2TES1 Piscinas is a multiple consistency, high-performance flexible cement-based tile adhesive (C2TES1), formulated with high-strength white cement, selected aggregates, special additives, and synthetic resin fibers, that provide exceptional workability. It does not cause settlement. Deformable. No vertical slip. Allows adjustment of tiles. Especially suitable for fixing porcelain tiles and vitreous mosaics in pools. Contributes to the waterproofing of the pool during its special formulation that compacts the capillary structure of the mortar.

USE

Laying of ceramic tiles of low/medium/high absorption, natural stone, low thickness ceramic, reconstituted stone, vitreous mosaic, porcelain, and stoneware tiles, etc. ... in interior and exterior situations to walls and floors. Suitable for laying low absorption ceramic tiles and on existing ceramic tile floors. Especially suitable for laying in swimming pools.

BENEFITS

- Especially suitable for laying in swimming pools.
- Prevents the appearance of efflorescence.
- Superb water retentivity for working at pool shell.
- Contributes to the water proofing of the pool.
- No vertical slip.
- Great plasticity. Easy workable. Highly thixotropic.
- High deformability.
- High water resistance.
- High tensile bond strengths. More durability.
- European quality product C2TES1 type.
- For internal and external use.
- Wide range of thicknesses. Full coverage.
- Especially suitable for fixing porcelain tiles.
- Extended open time. Allows adjustment of tiles.
- Very low VOCs emissions.

SUBSTRATE PREPARATION

Shotcrete, gunite, micro-concrete, cement-based substrates, cement-based renders/plasters and screeds, and cement-based waterproofing membranes. Concrete floors. Substrates must be clean, compact, and free of substances that reduce adhesion such as dust, oil, and grease, and with no loose material. Uneven areas must be corrected with suitable smoothing and finishing products. Substrates must be free from any rising dampness and have already completed the curing period of hygrometric shrinkage. Dampen substrates with water to cool down if they should be too warm, in case of wind or over absorbent substrates, and wait until the thin layer of water disappears. Do not use gypsum-based plasters or paint.

INSTRUCTIONS FOR USE

Mix manually or mechanically using clean water until a homogeneous, creamy, and lump-free paste is obtained and non-sag consistency is reached. Let the mix stand for 5 minutes before the application.

Small tiles must be fixed using a notched trowel of 6x6mm. For tiles sizes greater than 400cm², a notched trowel 8x8mm must be used. Spread the mixed product onto the substrate to a maximum surface area of 1m² or no more than can be tiled within 30 minutes in normal conditions. Unfavorable environmental conditions (strong sunlight, drying wind, high temperature as well as a highly absorbent substrate), could drastically reduce this time to a few minutes. Bed the tiles firmly into the adhesive with a slight sliding and/or twisting action, to ensure good contact and complete coverage. It is good practice to lift an occasional tile after fixing, to verify that the required contact is being achieved. The back of the tile must be completely wet. To guarantee maximum adhesion it is necessary to apply a sufficient layer of adhesive, on the back surface of the tile. Coverage is dependent upon the substrate conditions, the notched trowel used, and the method by which the adhesive is applied.

CAUTIONS AND RECOMMENDATIONS

- Abide by any standards and national regulations.
- Do not apply on plastic, metal, or wood.
- Do not apply below 5°C or above 30°C.
- Do not apply when there is a risk of frost, rain, strong wind, or direct sunlight.
- Do not use the adhesive to correct surface irregularities greater than 15mm.
- Use the right size of toothed trowel for the format of the tile or slab.
- Guarantee a full bed in all external laying operations.
- Leave joints between tiles with a minimum width of 2mm.
- On floors with a surface area greater than 30m², it is recommended to leave separation or sealing joints filled with a deformable material.
- On interior floorings larger than 15m², it is advisable to keep a free perimeter expansion joint between the floor and the wall or pillar, hidden by a skirting board (of approximately 5mm).
- If necessary, ask for the safety data sheet.

NOTE

Product for professional use

The above guidelines and information are accurate to the best of our knowledge and are offered in good faith. This information is true and accurate, but as conditions of use and any labour involved are beyond our control, the end user must satisfy himself by prior testing that the product is suitable for his specific application, and no responsibility can be accepted, or any warranty given by our Representatives, Agents or Distributors. The end user should ensure that he has our latest literature, a copy of which will be sent upon request.

STORAGE

1 year in sealed original packaging, sheltered from weather conditions and humidity.

PRESENTATION

Plastificated paper sack of 25kg Pallets of 1,400kg (56 sacks).



TECHNICAL DATA

PROPERTIES OF MIXTURE AND APPLICATION DATA

APPEARANCE	POWDER
COLOUR	OFF-WHITE
DENSITY OF THE MIX	1450KG/m ³
GRADING	0-600µm
POT LIFE	2H
ADJUSTABILITY TIME	≥ 30MIN
GROUTING	≈ 24H

FINAL PERFORMANCE

TYPE ACCORDING EN12004-1: C2TES1 PISCINAS

INITIAL TENSILE ADHESION STRENGTH	≥ 1,0 N/mm ²
TENSILE ADHESION STRENGTH AFTER WATER	≥ 1,0 N/mm ²
TENSILE ADHESION STRENGTH AFTER HEAT AGEING	≥ 1,0 N/mm ²
TENSILE ADHESION STRENGTH AFTER FREEZE-THAW CYCLES	≥ 1,0 N/mm ²
EXTENDED OPEN TIME	≥ 0,5 N/mm ²
SLIP	≤ 0,5 mm
TRANSVERSE DEFORMATION	≥ 5,0 mm
REACTION TO FIRE	CLASS E

THE NOTCHED TROWEL TABLE AND SPREADING TECHNIQUE

TILE FORMAT	NOTCHED TROWEL	LAYING
≥ 100cm ²	U4	Simple
≥ 450cm ²	U6	Simple
≥ 900cm ²	U6 / U9 or U10	Double - Simple
> 900cm ²	U9 or U10	Double



TIKA CONSTRUCTION CHEMICALS L.L.C

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EN 12004:2007+A1:2012

XTRM03

Xtreme Supercol C2TES1 PISCINAS Flexible, high performance tile adhesive for swimming pools. All absorption range.

Tensile adhesion strength:

Initial tensile adhesion strength: ≥ 1,0 N/mm²

Durability: Tensile adhesion strength after water: ≥ 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

Reaction to fire: Class E

Hazardous substances: See SDS