

TYTAN PROFESSIONAL Marble Adhesive

Marmur

MARMUR adhesive in class C1TE is intended for fixing natural and synthetic marble, natural stone, glass mosaics, wall and floor ceramic tiles (glazed, terracotta, clinker, and gres), terazzo and cement tiles.

It is recommended for use of decorative surfaces with natural stone or glass mosaic on rigid substrates exposed to typical loads. Recommended for standard indoor and outdoor structural substrates.



BENEFITS

- white, does not cause discolouration
- natural stone, glass mosaic, ceramic, stoneware and clinker tiles
- Flexible, water and frost resistant
- layer thickness from 2-10 mm

APPLICATION

- bonding of natural and synthetic marbles to the following substrates: cement, cement-lime, gypsum and lime plasters, plaster boards, cement and anhydrite screeds
- the adhesive can be applied on raw surfaces made of concrete, bricks, ceramic blocks and hollow bricks, and lime-sand blocks
- has excellent adhesion to waterproofing in the TS TYTAN Professional system
- recommended for decorative surfaces made of natural stone or glass mosaic

TECHNICAL DATA

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Selena Bulgaria Ltd.

Selena Sulamericana Ltda

Selena Nantong Building Materials Co., Ltd.

Foshan Chinuri Selena Chemical Co.

Selena Bohemia s.r.o.

Selena Deutschland GmbH

Selena Iberia S.L.U.

FinSelena Oy

Selena Hungária Kft.

Selena Italia srl

Selena CA L.L.P.

Selena S.A.

Carina Silicones Sp. z o.o.

Libra Sp. z o.o.

Orion Sp. z o.o.

Izolacja Matizol Sp. z o.o.

Tytan EOS Sp. z o.o.

Selena România SRL

EURO MGA Product SRL

Hamil - Selena Co. Ltd

Selena Vostok

Kvadro OOO

Selena Slovakia s.r.o.

Selena Yapı Malzemeleri Ltd.Şti.

Selena Ukraine Ltd.

Selena USA, Inc



Parameter (+23°C/50% RH)	Value
Mixing ratio [l/kg]	0,23 - 0,24
Mortar ready for use after mixing with water [h]	3
Open time [min]	30
Adjustment time [min]	10
Wall/floor jointing [h]	12 - 24
Partial/full use [days]	3 - 14
Run-off [mm]	≤0,5
Approximate consumption per 1 mm thickness [kg/m ²]	1 - 1,2
Layer thickness [mm]	2 - 10
Application Condition	Value
Application temperature [°C]	+5 - +25

DIRECTIONS FOR USE

Prior to application, read safety instruction presented in MSDS.

Surface preparation

- The substrate should be even, stable, load-bearing, dry, cleaned of dust, dirt, lime, oil, grease, wax and residues of oil and emulsion paint.
- Old, chalky and dusty substrates as well as highly absorbent ones should be primed with TYTAN primer for non-absorbent substrates.
- Substrates should be properly seasoned; concrete surfaces should be at least 3 months old and have humidity <4%, cement plasters and screeds at least 28 days old and have humidity <4%, anhydrite substrates with humidity <0,5%, plasters and gypsum substrates with humidity <1%.
- Slight irregularities (up to 5 mm) can be levelled with the adhesive, larger irregularities with

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Quick Setting Compensator 3-30.

Product preparation

- The mortar is prepared by pouring the whole content of the bag (25 kg) into (25 kg) into carefully measured quantity (5.5-6.0 litres) of clean and cold water and stirred with a slow-speed drill with an agitator until uniform consistency without lumps is obtained.
- The mortar is fit for use after approximately 5 minutes and mixing again.
- The mortar so prepared should be used within 3 hours.
- In case of thickening do not add water but stir again.

Application

- The adhesive is used in the thin-layer gluing method. Apply a thin layer of the adhesive with the smooth side of a steel float, then apply a thicker layer and "comb" the whole with the serrated edge of the float, maintaining an angle of 45-60° to the substrate.
- The size of the trowel teeth should be adjusted to the size of the tiles and irregularities of the surface.
- Avoid applying the adhesive over too large a surface at one time, which may result in exceeding the open time of the adhesive and lack of adhesion with the cladding. This time can be controlled by touch.
- After spreading the adhesive, apply the tile as close as possible to the previous one and then press and move it so that a joint of the correct width is formed.
- When laying tiles in areas where they will be continuously exposed to moisture, frost, or heavy loads (terraces, balconies, swimming pools, warehouse-shop floors, etc.), use a combination method. For this purpose the mortar should be applied both on the substrate and on the whole mounting surface of the tile, the adhesive strips should cross at an angle of 90°.
- Continue as in the previous method.

Remarks / restriction

- Do not soak the tiles before grouting.
- The combination method is always recommended for gluing porcelain stoneware tiles and low-absorbency coverings.
- The time of correction of the tile positioning is about 10 minutes from the moment of pressing.

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- Before the mortar is fully hardened, remove any residue from the joints and wash any soiling on the tiles with water.
- Tiles can be grouted after approximately 12 hours on walls and 24 hours on floors.
- The mortar obtains its full functional strength after 14 days.
- Foot traffic and static loads not exceeding 150 kg/m² are permitted after 3 days. However, avoid tile edge loads and point or dynamic loads (e.g. furniture feet or pallet trucks).
- Avoid applying the adhesive to too large an area at one time.

REMARKS / RESTRICTION

All given parameters are based on laboratory tests compliant with internal manufacturer's standards and strongly depend on product hardening conditions (c.a., ambient, surface temperature, quality of used equipment and skills of person applying the product).

TRANSPORT / STORAGE

Mortar should be transported and stored in dry conditions on pallets and in original, undamaged packaging. A product so stored has a shelf life of 12 months. Protect from moisture.

CATALOGUE DATA

Nominal capacity	Colour	Number of pieces per collective package	Catalogue Number	Index	EAN Code
25 kg	white		ECC-ECTAMA1-TP-49-kg-25-001	10035884	5902120078745

SAFETY AND HEALTH PRECAUTIONS

For detailed information find Material Safety Data Sheet available at producer upon request.

All written or oral information, recommendations and instructions are given according to our best knowledge, tests and experience, in good faith and in compliance with manufacturer's principles.

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Each user of this material will make sure in every possible way, including verification of the final product in proper conditions, about suitability of the supplied materials for their intended purposes. The manufacturer is not liable for any losses incurred due to inaccurate or erroneous application of the manufacturer's materials.

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