

TYTAN PROFESSIONAL Ideal Home Neutral Sanitary Silicone



It is a neutral silicone sealant which contains fungicides that protect joints against fungus and mould for up to 15 years. Versatile and has excellent adhesion to surface. It can be safely applied to all building materials, including natural stone and mirror and areas in direct contact with food and drinking water. Odourless. Does not contain harmful chemical compound MEKO. It has an A+ classification (very low emissions of VOC).

BENEFITS

- does not stain the natural stone
- safe for all surfaces
- resistant to mold and fungus
- does not turn yellow
- interior and exterior

RECOMMENDED USES

- sealing kitchen countertops and sinks
- sealing delicate surfaces, including natural stone and mirrors
- sealing the edges of sinks, bathtubs, shower trays, and PVC shower enclosures
- sealing structural and decorative elements
- grouting ceramic tiles
- flexible sealing in high-humidity areas

NORMS / ATESTS / CERTIFICATES

The product meets requirements of:

- EN 15651-1:2012 F-EXT-INT-CC 25LM
- EN 15651-2:2012 G-CC 25LM
- EN 15651-3:2012 S XS1

Additional information

- Does not cause contamination of the coastal zone and discoloration on natural stones (marble, granite, sandstone) according to ISO 16983-2
- Fire reaction: E

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Selena FM S.A.

ul. Legnicka 48A, 54-202 Wrocław, Poland

tel. +48 71 78 38 290, e-mail: office@selena.com, www.selena.com



TECHNICAL DATA

Uncured - tested at 23°C and 50% relative humidity	Value
Density (ISO 2811-1) [g/ml]	1 - 1,02
Skin formation time [min]	5 - 30
Tack Free [min]	5 - 10
Curing rate [mm/24h]	2 - 3
Flow from vertical surfaces [T=+50°C] (ISO 7390) [mm]	0 - 3
Cured - tested after 4 weeks at 23°C and 50% relative humidity	Value
Shore A hardness (ISO 868)	22 - 26
Temperature resistance [°C]	-40 - +100
Colour	Value
White	RAL 9003
Transparent	+
Conditions of application	Value
Surface temperature [°C]	+5 - +40
Container temperature [°C]	0 - +25
Application temperature [°C]	+5 - +40

METHOD OF USE

Prior to application, read safety instruction presented in MSDS.

Surface preparation

- Bonding surfaces must be clean, dry (not frosted) free of dust, rust, old loose material, oil, grease, paint and other dirt which reduces the adhesion of the sealant.
- Surfaces best degrease with acetone or ethanol (glass, glaze, metal) or detergent (synthetic materials).
- To avoid dirtiness around the gap and to maintain equal line use adhesive tapes which should be removed immediately after finishing sealing.
- Sealant does not require using primer on most surfaces but on some specific surfaces may have to use it to improve adhesion.
- Joint width should be as to be able to carry movement in range calculated for sealant in question (movement accommodation).
- The sealant bead should not be wider than 25 mm and the minimum joint width should be 6 mm to

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allow in the construction field proper application and tooling of sealant. The ideal ratio of joint width : depth is 2 : 1.

- For proper design deep joints should be filled with back-up rod.
- In movable joints tripartite sealant adhesion to the surface should be avoided because it can cause its damage. For this purpose if depth of the slots does not allow introduction of polyurethane foam, use dilatation tape or back-up rod. Using foam or tape causes bipartite sealant adhesion and allows proper work with the joint.
- If joints are too shallow to allow backing material to be used, we recommend use of adhesive tape. This acts as a back-up rod to prevent seal in forming of three-sided adhesion.

Product preparation

- Prior to application, the product should be conditioned at room temperature.

Application

- Cut off the top of the threaded adapter. Screw the nozzle tip on and cut off at a 45° angle, with the diameter equal to the gap width.
- Squeeze sealant by mechanical or pneumatic gun.
- Joints should be smoothed by cube to distribute the sealant or spatula.
- Remove the masking tape before the epidermis forms.
- Joint should be allowed to fully cure.

Works after completion of application

- Uncured product should be removed from hands, tools and dirty surfaces with paper towel.
- After curing, remove from hands with water and soap; from tools remove mechanically. or using agent for removing silicones - Silicone Remover.
- DO NOT WASH HANDS WITH SOLVENTS.

Remarks / restriction

- Do not apply on wet surfaces.
- Sealant should not be used on bituminous surfaces, partially vulcanized rubber, chloroprene or other construction materials that bleed oils, plasticizers or solvents.
- While planning of the joint, possibility of small discoloration of sealant on some surfaces and under influence of weather conditions should be taken into account.
- Do not use in totally confined spaces where it is not exposed to atmospheric moisture, because the sealant requires atmospheric moisture for cure.
- Sealant is not recommended for joints that are permanently under water, because it can cause physical changes.
- Not suitable for bonding aquariums and terrariums.
- Sealant is not intended for applications involving structural glazing.
- It is not suitable for direct contact with food and medical uses. Sealant was not duly tested and it is not suitable for medical and pharmaceutical applications.
- Do not apply on PE, PP - no adhesion.

- Silicone should not be painted.
- There is a risk that the silicone might not be compatible with primers / lacquers / paints and other agents used for the production of windows and doors, so therefore testing is recommended.

ADDITIONAL INFORMATION

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

Expiry date and batch number on packaging.

Store in the original packaging in a dry place, protected from frost and overheating, at a temperature of 0°C to +25°C.

CATALOGUE DATA

Nominal capacity / volume / size	Colour	Number of pieces per collective package	Index	EAN Code
280 ml	transparent	12	10044733	5902120186402
280 ml	white	12	10044735	5902120186365

SAFETY AND HEALTH PRECAUTIONS

For detailed information, please see the product data sheet.

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. 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.