TYTAN PROFESSIONAL Sanitary Silicone Turbo Effect

This is a flexible silicone sealant with an acid curing system. Thanks to its innovative fast-curing formula, the sealant is water resistant just after 1 hour from application. It contains long-lasting agents that prevent formation and growth of mould and mildew and is therefore ideal for use in high-humidity areas such as kitchens and bathrooms. It has excellent adhesion to typical sanitary substrates, i.e. tiles, bathroom ceramics, glass and acrylic.

BENEFITS

- excellent resistance to mould and fungus
- high resistance to UV radiation
- incorporates fungnicides completely safe for the user
- instant waterproofing after application in areas with high moisture
- the fungicidal properties prevent silicone from changing its appearance and physical properties over many years
- resistant to high temperature changes
- very good adhesion for different surface

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

RECOMMENDED USES

- sealing baths, hand basins, showers, sinks and other sanitary facilities and other water supply equipment
- sealing of ceramic tiles
- small home repairs
- sealing vertical dilatation joints

NORMS / ATESTS / CERTIFICATES

The product meets requirements of:

- EN15651-1:2012 F-EXT-INT-CC 25HM
- EN15651-2:2012 G 25HM
- EN 15651-3:2012 S XS1

Additional information

- Fire reaction: E

TECHNICAL DATA

Uncured - tested at 23°C and 50% relative humidity	Value
Density (ISO 2811-1) [g/ml]	1,02 - 1,04
Skin formation time [min]	5 - 20
Tack Free [min]	5 - 10
Curing rate [mm/24h]	2 - 3
Flow from vertical surfaces [+50°C] (ISO 7390) [mm]	0 - 3
Curing rate (23°C and 65% relative humidity) [mm/24h]	4 - 5
Cured - tested after 4 weeks at 23°C and 50% relative humidity	**Value**
Shrinkage (ISO 10563) [%]	<10
Module at 100% elongation (ISO 37) [MPa]	0,29 - 0,35
Elongation at break (ISO 37) [%]	450 - 600

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Shore A hardness (ISO 868)	19 - 25
Temperature resistance [°C]	-40 - 100
Adhesion to surface	**Value**
Stainless steel	+/-
Ceramic tile	+
PS (polystyrene)	+/-
PC (polycarbonate)	+/-
Glass	+
Raw wood (pine)	+
Hard PVC (polyvinyl chloride)	+
Colour	**Value**
White	RAL 9003
Transparent	+
Black	RAL 9005
Brown	+
Grey	+
Beige	+
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.

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- 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 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.
- Cut off the top of the foil. 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.
- Treatment make at the time of workability given in the technical data table.
- Applied sealant should be smoothed immediately with a spatula soaked in soapy water for best result.
- Remove masking tape before skin will form.
- 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.

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Remarks / restriction

- Do not apply on wet surfaces.
- Due to the acetic acid released during curing, acid silicone is not recommended for use on calcareous substrates such as concrete, plaster, brick.
- Sealant is not intended for sealing joints of natural stone, such as granite, sandstone, marble, etc.
- Sealant should not be used on bituminous surfaces, partially vulcanized rubber, chloroprene or other construction materials that bleed oils, plasticizers or solvents.
- Do not apply on sensitive metal surfaces for example copper and its alloys and silver steel of mirrors.
- Sealant is not recommended for joints that are permanently under water, because it can cause physical changes.
- 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 intended for applications involving structural glazing.
- Silicone should not be painted.
- Not suitable for bonding aquariums and terrariums.
- 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.
- Not suitable for bonding mirrors.

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

Warranted shelf life is 24 months from the manufacturing date when stored in unopened, original package at temperature from +0 °C to +25 °C in a dry place protected from freezing.

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CATALOGUE DATA

Nominal capacity / volume / size	Colour	Number of pieces per collective package	Index	EAN Code
280 ml	transparent	12	10041719	5902120176687
280 ml	white	12	10041741	5902120176663

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. 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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