

TYTAN PROFESSIONAL Rubber Roof Sealant

Roofing rubber sealant is designed for joining, protecting and sealing roof fittings and joints as well as for repair works. Thanks to the content of high-quality rubbers it is resistant to ageing and highly flexible. It has high adhesion to steel, PVC, sheet metal, bitumen and concrete.

BENEFITS

- compatible with bituminous surfaces
- excellent resistance to mould and fungus
- can be painted
- excellent adhesion to wide range of construction substrates
- can be applied at sub-zero temperatures
- application under water

APPLICATION

- sealing flanges of roof windows, chimneys and other roofing treatments
- cold bonding of roofing foil, membranes and roofing paper
- sealing grouts of maximum movement accommodation 10%
- sealing corrugated and trapezoidal metal sheets joints
- rapid repairs of leaks in roofs and gutters, even during pouring rain

TECHNICAL DATA

Uncured - tested at 23°C and 50% relative humidity	Value
Density (ISO 2811-1) [g/ml]	0,88 - 0,92
Flow from vertical surfaces [+50°C] (ISO 7390) [mm]	10
Cure Rate (ASTM D 1640) [mm/24h]	0,5 - 1,0
Run-off from vertical surfaces (ISO 7390) [mm]	3
Skin formation time (ASTM D 1640) [min]	5 - 15
Cured - tested after 2 weeks at 23°C and 50% relative humidity	Value
Module at 100% elongation (ISO 37) [MPa]	0,15 - 0,25
Elongation at break (ISO 37) [%]	300
Shore A hardness (ISO 868)	15
Volume change (ISO 10563) [%]	35
Conditions of application	Value
Temperature resistance [°C]	-20 - +90
Surface temperature [°C]	+5 - +50
Container temperature [°C]	+5 - +25
Application temperature [°C]	-10 - +30
Colour	Value
White	RAL 9003
Transparent	RAL 0000
Black	RAL 9005
Brown	RAL 8011
Grey	RAL 7046
Brick	RAL 8012
Graphite	RAL 7016

Cured - tested after 2 weeks at 23°C and 50% RH, after conditioning in a 50°C UV chamber	Value
Elongation at break after 2 weeks conditioned at the UV chamber (ISO 37) [%]	350
Module at 100% elongation after 2 weeks conditioned at the UV chamber (ISO 37) [MPa]	0,55 - 1,00
Cured - tested after 2 weeks at 23°C and 50% RH, after conditioning under water for 7 days	Value
Module at 100% elongation after 7 days soaking in water (ISO 37) [MPa]	0,15 - 0,30
Elongation at break after 7 days soaking in water (ISO 37) [%]	300
Adhesion to surface ASTM 903N/m	Value
Adhesion to galvanized sheet steel [ASTM D903] [N/m]	1900
Coated sheet (adhesion on surface, ASTM D903) [N/m]	2000
Pap (Adhesion to Surfaces, ASTM D903) [N/m]	1700
Adhesion to PVC [ASTM 903] [N/m] [N/m]	1900
Adhesion to EPDM [ASTM D903] [N/m]	400

Other	Value
Chemical resistances water	+
Chemical resistances salt water	+
Chemical resistances pool water	+
Chemical resistances diluted organic and inorganic acids	+
Chemical resistances diluted hydroxides	-
Chemical resistance mineral oil [ASTM F 925-13]	-
Chemical resistances petrol	-
Toluene chemical resistance [ASTM F 925-13]	-
Chemical resistance cyclohexane [ASTM F 925-13]	+
Chemical resistance alcohol 70% [ASTM F 925-13].	+

METHOD OF USE

Prior to application, read safety instruction presented in MSDS.

Surface preparation

- Bonding surfaces must be clean (not frosted) free of dust, rust, old loose old material oil, grease, paint and other dirt which reduces the adhesion of the sealant.
- To avoid dirtiness around the gap and to maintain equal line use adhesive tapes which should be removed immediately after finishing sealing.

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 water for best result.
- Remove masking tape before skin will form.
- Joint should be allowed to fully cure.

Works after completion of application

- Clean while uncured with water or water and soap.
- After curing, remove from hands with water and soap; from tools remove mechanically.
- DO NOT WASH HANDS WITH SOLVENTS.

Remarks / restriction

- 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.
- Before painting it is recommended to conduct a trial test, especially in a case of solvent-based paints.
- Do not apply on PE, PP - no adhesion.
- Should not be used to polystyrene including foamed polystyrene - can damage the surface.
- If the surface is sensitive to solvents it is recommended to conduct tests in an inconspicuous area.

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

The product should be transported and stored in dry conditions and in original, undamaged packaging at a temperature of +5°C to +25°C.

Storage in temperature exceeding +30°C shortens the shelf life of the product, adversely affecting its parameters.

Protect from direct sunlight.

After opening, close the packaging tightly and use the remaining contents as soon as possible.

The product so stored has a shelf life of 24 months.

Product can be transported at low temperatures up to 4 °C for up to -30 weeks, before using the product should be conditioned for 24 hours at +23 °C.

The sealant withstands 5 freezing/thawing cycles.

CATALOGUE DATA

Nominal capacity	Colour	Number of pieces per collective package	Catalogue Number	Index	EAN Code
310 ml	black	12	SEA-SEARUB1-TP-35-ml-310-004	10044358	5907516991615
310 ml	brick	12	SEA-SEARUB1-TP-35-ml-310-024	10022947	5903518057212
310 ml	brown	12	SEA-SEARUB1-TP-35-ml-310-027	10044374	5907516991691
310 ml	brown	12	SEA-SEARUB1-TP-35-ml-310-027	10023073	5903518032004
310 ml	red	12	SEA-SEARUB1-TP-35-ml-310-140	10023077	5907516991530
310 ml	red	12	SEA-SEARUB1-TP-35-ml-310-140	10022946	5903518007347
310 ml	transparent	12	SEA-SEARUB1-TP-35-ml-310-003	10044356	5907516991455
310 ml	transparent	12	SEA-SEARUB1-TP-35-ml-310-003	10023064	5903518007613
310 ml	white	12	SEA-SEARUB1-TP-35-ml-310-001	10044375	5907516999468

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.