



TYTAN PROFESSIONAL RUBBER ROOF SEALANT

Tytan Professional Rubber Roof Sealant is a universal sealant for general use. Creates plasto-elastic flexible joint, which is characterized by high resistance to aging. A unique advantage is its excellent adhesion to most substrates, both porous and non-porous as e.g. concrete, plaster, metal or variable plastics. Unlike other sealants can be applied to smooth wet surfaces, so is ideal also for roofs or boat repairs. In contrast to silicone sealant, or acrylic can be used on the surface of the bitumen. Does not require primer. After curing sealant is paintable.

BENEFITS

- ⇒ excellent resistance to mold and fungus
- ⇒ paintability
- ⇒ very good adhesion
- ⇒ compatibility with bituminous materials
- ⇒ application on wet surfaces

TYPICAL APPLICATIONS

- ⇒ sealing of skylights` collars, chimneys and other roofing treatments
- ⇒ sealing of connections of corrugated and trapezoidal plate
- ⇒ bonding roofing foil, membranes and roof tar
- ⇒ pointing movable joints of up to 10%
- ⇒ rapid repair of leaks in roofs and gutters

ADHESION SURFACE

Surface	Adhesion
brick	+
concrete	+/-
granite	+/-
sandstone	Not recommended
marble	Not recommended
plaster	+
copper	N/A
acid resistant sheet	+
aluminum	-



galvanized sheet	+
cast iron	N/A
ceramic tiles	+
glass	-
raw wood (pine)	-
PC	-
rigid PVC	+
PS	Not recommended
bitumen tare	+
bitumen shingles	+
clinker tile	+

+ good adhesion

+/- częściowo adhezyjne odspojenie

- weak adhesion

N/A not analyzed

CHEMICAL RESISTANCE

	Resistance
water	+ (not recommended for continuous water immersion)
brine water 2%	+ (not recommended for continuous immersion)
swimming pool water	+ (not recommended for continuous immersion)
petrol, motor oil	N/A
olive oil	N/A
diluted acid organic	N/A
diluted acid no organic	N/A
diluted basic/alkalis	N/A

+ good resistance

- weak resistance

N/A not analyzed



TECHNICAL DATA

As supplied - tested at 23°C and 50% relative humidity	Norma	MIN	MAX
Consistency	-	viscous paste	
Density [g/ml]	ISO 2811-1	0,92	0,94
Skin formation time [min]	-	3	15
Tack free [min]	-	2	15
Curing time [mm/24h]	-	1	2

As cured - tested after 4 weeks at 23°C and 50% relative humidity	Norma	MIN	MAX
Modulus @ [Mpa]	ISO 37	0,20	0,25
Elongation at break [%]	ISO 37	400	500
Tensile strength [Mpa]	ISO 37	0,60	0,80
Shore A Hardness	ISO 868	13	18

	Norma	MIN	MAX
Application Temperature [°C]	-	+5	+40
Temperature resistance [°C]	-	-20	+90
Temperature range in service [°C]	-	0	+25*

* **Tytan Professional Rubber Roof Sealant** may be transported for a period of no longer than 4 weeks at temperatures not lower than -30 °C, however, before use, the product must be conditioned for 24 hours in 23 °C. Rubber withstand 5 cycles of freeze / thaw cycles.

APPLICATION INSTRUCTION

Surface Preparation - contact area must be clean, free of dust, oil, grease. Metals must be sound. Remove old materials residue, especially loose and not sufficiently adhering coatings. Clean and degrease surface with acetone, isopropanol, ethanol (metals, glass) or detergent (plastics). Dry the surface before application. To ensure neat sealant edges mask the areas adjacent to joints with masking tape. **Tytan Professional Rubber Roof Sealant** does not require the primer on most surfaces, although the primer may increase the adhesiveness on the specific surfaces. For application on unknown substrates, prior testing is a prerequisite.

Application - cut off the top of the threaded adapter. Screw the nozzle on and cut off at an angle corresponding to the joint width. Place the cartridge in the gun and inject the joint with the sealant. Apply the material with sufficient pressure to the joint sides to ensure immediate adhesion. The applied sealant should be smoothed immediately with a wet spatula or jointer. Remove masking tape right after smoothing.

Cleaning - clean while uncured with paper towel. After hardening, remove the sealant mechanically.





TECHNICAL DATA SHEET

- ⇒ Do not use on polypropylene, polystyrene, and polyethylene
- ⇒ Should not be used on sensitive metallic surfaces such as copper, silver
- ⇒ Do not use on natural stones: marble, granite, sandstone
- ⇒ Before painting, prior testing is recommended, especially with solvent based paint
- ⇒ Neither suitable for food applications, nor for medical use. The product is neither tested nor represented as suitable for medical or pharmaceutical uses
- ⇒ For areas sensitive to solvents is recommended to test product in less visible part

PACKAGING

Tytan Professional Rubber Roof Sealant is usually supplied in standard size cartridges 260ml - 310ml.

TRANSPORT INFORMATION

For more information request Material Safety Data Sheet.

STORAGE STABILITY

Warranted shelf life is **24** months from the manufacturing date when stored in unopened, original cartridges at temperature from +5°C to +25°C in a dry place protected from freezing. **Tytan Professional Rubber Roof Sealant** may be transported for a period of no longer than 4 weeks at temperatures not lower than -30 °C, however, before use, the product must be conditioned for 24 hours in 23 °C. Rubber Sealant withstand 5 cycles of freeze / thaw cycles.

SAFETY AND HEALTH PRECAUTIONS

Apply the usual hygienic measures. For detailed information find Material Safety Data Sheet available at Selena FM S.A. upon request.

Disposal considerations: Product remains and empty cartridges must be disposed of in compliance with official, local regulations.

With the publication of this Technical Data Sheet, previous editions are no longer valid.

The information contained herein is offered in good faith based on Selena's research and is believed to be accurate. However, because conditions and methods of use of our products are beyond our control, this information shall not be used in substitution for customer's tests to ensure that Selena's products are fully satisfactory for your specific applications. Selena's sole warranty is that the product will meet its current sales specifications. Your exclusive remedy for breach of such warranty is limited to refund of purchase price or replacement of any product shown to be other than as warranted. Selena FM S.A. specifically disclaims any other expressed or implied





TECHNICAL DATA SHEET

warranty of fitness for a particular purpose or merchantability. Selena disclaims liability for any incidental or consequential damages. Suggestions of use shall not be taken as inducements to infringe any patent.

Technical indications and data appearing in this brochure are based on our current knowledge and experience and we decline all responsibility for consequences derived from inadequate use. Therefore, our guarantee is limited exclusively to the quality of the product supplied. This technical information can be modified without notice. If necessary request it periodically.

