

TYTAN PROFESSIONAL Coat & Seal

Duct Sealant 1 kg



10051758

Tytan Professional Coat & Seal is an elastic coating based on silicone MS technology which cures at ambient temperature by reaction with humidity. Designed for waterproofing and renovation of gutters, chimneys, skylights, ventilation outlets, repairing leakage points and general roof repairs. Works on the most common construction material including: waterproofing materials, metals, thermal insulations (polyurethane, polystyrene), wood, brick, tile, roof tile, concrete, ceramic, vinyl, rubber, PVC and more. For a job well done, use Tytan Professional Coat & Seal.



ADVANTAGES

- No shrinking (contain no water or solvents).
- Single-component, easy application from 41°F to 104°F.
- Adheres to wet surfaces.
- Very good adhesion to wide range of common construction materials (concrete, cement, ceramic tiles, roof tiles, etc.).
- Can be apply without primer
- High elasticity (up to 400%).
- Waterproof. Can be used even in areas with standing water on roofs and terraces.
- High cracks / gaps filling capacity.
- Remains flexible from -40°F to 194°F.
- Permeable to water vapour.
- Paintable*. It does not contaminate further coats of paint.
- Mildew, mold, and fungi resistant

RECOMMENDED USES

- Waterproofing and protection for:
 - Flat and sloping roofs.
 - Gutters.
 - Roof terraces (moderate transitable, accessible for maintenance).
 - Joints at chimneys, skylights and ventilation outlets.
- Can be used for:
 - Common materials in construction and waterproofing.
 - Metals in general (copper, zinc, aluminium, stainless steel, galvanized sheet, etc).

1/5

Update date: 20.05.2026

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- Thermal insulation.
- Wood (chipboard, plywood).
- Especially suitable for reconstruction and repair of leaks, joints between tiled roofs and entry points of pipework.
- Landscape
- RV exterior coating
- Marine Applications

STANDARDS / APPROVALS / CERTIFICATES

Additional information

- Certified as a roof waterproofing product according to the "European Technical Assessment" ETA 17/0080 . This European Technical Assessment is issued in accordance with regulation (EU) No 305/2011, on the basis of Guideline for European Assessment Document EAD 030350-00-0402 .

TECHNICAL DATA

Appearance	Value
Liquid paste	+
Uncured	Value
Yield [kg/m ²]	1.5 - 3*
Curing rate (23°C and 55% h.r.) [mm/24h]	2
Volume loss (DIN 52451): [%]	≈ 0
Application temperature [°C]	5 - 40
Cured (tested after 4 weeks at 23°C and 55% RH)	Value
Similar to rubber	+
Shore A hardness (ISO 868)	20
Modulus 100% (ISO 37) [Mpa]	0.35
Tensile strength at break, ISO 37 [Mpa]	0.8
Elongation at break (ISO 37) [%]	400
Movement accommodation factor [%]	25
Temperature resistance [°C]	-40 - +90
Chemical resistance	Value

2/5

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Water, soapy water, brine	++
Inorganic diluted acids and alkalis	++
UV and Weather resistance	+++

DIRECTIONS FOR USE

Prior to application, read safety instruction presented in MSDS.

Substrate preparation

- The surfaces must be completely clean and free from dust, grease, mud, oils, etc.
- Absorbent surfaces: Mineral and wooden surfaces must be cleaned mechanically.
- Metals: Remove corroded parts and any traces of paint mechanically.
- Plastics: Sand to roughen these materials and clean with a "white Spirit" type solvent.

Product preparation

- Product ready for use.

Application

- Needs no preparation and can be applied directly with a brush, roller or spatula.
- If it would be necessary to apply a second coat, we recommend waiting at least 24 hours before applying it. The second coat must be at minimum of 1.5 mm thick.
- The curing time depends on atmospheric conditions.
- In spraying applications, it is recommended the following equipment:- GRACO MARK V /MARK VII Tip size: 0.027", Working pressure: 220 bar.- WAGNER ProSpray 3.39 Max. Tip size: 0.039", Working pressure: 220 bar.
- Waterproofing according to EAD 030350-00-0405 /European Technical Assesment "ETAG 005 ".It is necessary to apply two layers and place the reinforcing mesh "Aquaprotect liquid MS silicone RF" between the layers of the product. The final thickness should be at least 3 mm, for a consumption of at least 3 kg/m2.The first layer is applied on the preconditioned surface with a thickness of 1,5 mm, placing the reinforcing mesh on the fresh surface, making sure that there are any bubble air or folds, and with an overlap of 10 cm. The joints should be aligned in the direction of the water flow. After at least 12 hours, apply the second layer of AQUAPROTECT LIQUID MS SILICONE in the opposite direction to the first.When it used Aquaprotect liquid MS silicone as waterproofing coating, according to the requirements for obtaining the "Technical Approval", it is recommended to wait at least 12 hours to apply the second layer. The waiting time will depend on the weather conditions. The second layer could have a thickness of 1,5 mm.Applying preferentially with dry time and with an ambient temperature of 10°C to 30°C.The temperature of the substrate should be between 5°C and 40°C. In low temperature situations, make sure the substrate temperature is at least 3°C above the dew formation point (it depends on the temperature and the relative humidity of the air); otherwise it could form a water film which could make it difficult to clean the materials and minimize adhesion.If the temperature of the

substrate is above 40°C and there is a direct sun exposure, apply the product in several thin layers (max. 1 mm), and allow each layer to dry completely before application of the next layer. If this procedure is not respected, bubble air formation may occur.

Post-application work

- Fresh product must be removed quickly with an organic solvent such as “White spirit”. Tools must be cleaned with the same type of solvent, immediately after use.
- Requires no protection from the weather.

Restrictions / notes

- *It can quite easily be painted with any acrylic paint as long as it is sufficiently elastic.
- However, due to the great diversity of varnishes and paints, it is recommended to do a preliminary test.
- Any material not known by the user, from the point of view of adherence, must be previously tested or consult our Technical Department.

ADDITIONAL INFORMATION

** Yield depending on the absorbancy of the surface.

Chemical Resistances: +++ Excellent / ++ Very Good / + Good / -- Very bad / - Bad / * Consult.

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TRANSPORT / STORAGE

Keep in a cool, dry place.

Store in its original closed package.

Shelf life: 24 months.

CATALOG DATA

Nominal capacity / volume / size	Color	Pieces per pack	Index	EAN code
1 kg	N/A	6	10051758	820435037798

HEALTH AND SAFETY WARNINGS AND RECOMMENDATIONS

Beware with the sharp edges when opening 5 and 25 kg drums.

Keep out of reach of children.

While curing the product issues methanol. These vapours must not be inhaled for prolonged periods of time or in high concentration levels. Therefore, the working area should be well ventilated.

Due to possible irritation, all contact of the product with eyes or mucous areas must be avoided. If contact occur, rinse the affected area thoroughly with plenty of water and, if necessary, see a doctor.

Use gloves. In case of splashing, wash with industrial detergent when the product is still fresh.

DO NOT WASH HANDS WITH SOLVENTS.

For more information request Safety Data Sheet.