



TYTAN PROFESSIONAL Coat & Seal

Item number: 10040826

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.



BENEFITS

- No shrinking (contains no water or solvents)
- Single-component, easy application from 41°F to 104°F
- Can be apply without primer
- Paintable and does not contaminate further coats of paint
- High cracks / gaps filling capacity
- High elasticity (up to 400%)
- Remains flexible from -40°F to 194°F
- Waterproof. Can be used even in areas with standing water in roofs and terraces.
- Permeable to water vapor
- Adheres in wet surfaces
- Mildew, Mold and Fungi resistant

APPLICATION

- Waterproofing and sealing of:
- Flat and sloping roofs
- Gutters
- Roof terraces
- Joints at chimneys, skylights and ventilation outlets
- Especially suitable for reconstruction and repair of leaks, joints between tiled and shingled roofs
- Landscape
- RV exterior coating
- Marine applications

NORMS / ATESTS / CERTIFICATES

- 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.

TABLES

Classification according to EAD 030350-00-0402/European Technical Assessment ETAG 005"

External fire performance	NPA
Fire reaction	E
life Expected working	W3
Climatic zone of use	S (Severe)
User loads	Steel/Concrete:: P2: (TH4) ; PU: P3: (TH4)
Roofs slopes	S1 - S4
Minimum surface temperatures	TL3 (-20°C)
Maximum surface temperatures	TH4

TECHNICAL DATA

Appearance	Value
Liquid paste	Grey
Uncured	Value
Yield [kg/m ²]	1.5 - 3*
Curing rate (73°F and 55% h.r.) [mm/24h]	2
Volume loss (DIN 52451): [%]	≈ 0
Application temperature [°C]	41 to 104
Cured, (4 weeks at 23°C and 55% H.R.)	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 [°F]	-40 to 194
Chemical resistance	Value
Water, soapy water, brine	better
Inorganic diluted acids and alkalis	better
UV and Weather resistance	best

METHOD OF USE

Prior to application, read safety instruction presented in MSDS.

Surface 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 mineral spirit.

Product preparation

- Product is ready for use.

Application

- Can be applied directly with a brush, roller or spatula.
- If applying a second coat, allow at least 24 hours of curing from the first application before applying the second coat. The second coat must be at minimum of 1.5 mm thick.
- For best results, apply with an ambient temperature of 50°F to 86°F. The temperature of the substrate should be between 41°F and 104°F. In low temperature situations, make sure the substrate temperature is at least 37°F 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 could minimize adhesion. If the temperature of the substrate is above 104°F 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 or bubbles may form.



Works after completion of application

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

Remarks / restriction

- *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.

ADDITIONAL INFORMATION

* Yield depending on the absorbency of the surface.

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 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.

TRANSPORT / STORAGE

Keep in a cool, dry place. Store in its original closed package.

Shelf life: 18 months.



SAFETY AND HEALTH PRECAUTIONS

Beware with the sharp edges when opening.

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 refer to the Safety Data Sheet.