

TYTAN PROFESSIONAL AQUAPROTECT

Adhesives Sealants

Highly flexible adhesive-sealant based on MS Polymer. It is characterized by a very high initial grip and a very high final strength of connections. High flexibility and excellent adhesion to typical construction surfaces, e.g. metal, brick, concrete, wood, copper, glass. It can even be used on a damp surface. It provides very high durability and resistance to unstable and working surfaces. Highly resistant to changing weather conditions. After hardening, the joint is durable and very flexible. Paintable. The product is odorless and contains no solvents.

BENEFITS

- colourless joint
- can be used on humid (but not wet) surfaces
- flexible joint
- high final strength
- excellent adhesion to most surfaces, both porous and non-porous, e.g. metal sheets, various synthetic materials or glass
- moisture resistant
- does not discolour porous substrates
- can be painted

APPLICATION

- bonding wide range of finishing materials to typical substrates such as: concrete, wood, brick, glass, metal
- bonding of various elements to wood, glass, concrete, metal and plastic substrates
- joining elements of gutters made of copper, galvanized steel, crude steel and PVC
- bonding roofing sheets and ceramic tiles
- sealing dilatations and connections in roof finishing works

TECHNICAL DATA

Uncured	Value
Density [g/cm ³]	0,94 - 1,04
Curing rate [mm/24h]	3 - 4
Base: MS polymer	+
Elongation at break (ISO 37) [%]	250 - 270
Tensile strength at break, ISO 37 [MPa]	~2,8
Skin formation time [min]	~10
Cured	Value
Temperature resistance [°C]	-30 - +90
Conditions of application	Value
Optimal bonding temperature [°C]	+15 - +20
Optimal relative air humidity [%]	60
Application temperature [°C]	+5 - +30
Colour	Value
Transparent	+

METHOD OF USE

Prior to application, read safety instruction presented in MSDS.

Surface preparation

- Bonded surfaces must be free from contaminations and substances hindering adhesion.
- Surfaces best degrease with acetone or ethanol (glass, glaze, metal) or detergent (synthetic materials).

Product preparation

- Cut the nozzle to the required diameter, cut the cartridge outlet and screw the nozzle. Insert the cartridge into the applicator gun.

Application

- Apply adhesive in spots or strips on the surface or bonded material.
- Next match bonded surfaces and press.
- In case of wide surfaces adhesive should be applied in wavy lines in order to increase the initial adhesion.
- Correction of the bonding surfaces is possible within 15 minutes from application, without disconnecting of bonded elements.
- The adhesive may not be applied continuously over the glued surface because it cures in contact with air humidity as well as surface humidity.
- Depending on the bonding surface, it may be required to support heavy objects for at least 24 hours.

Works after completion of application

- Cleaning: dry cloth or extractive gasoline prior to curing, mechanically after curing.
- DO NOT WASH HANDS WITH SOLVENTS.

Remarks / restriction

- Adhesion tests prior to application of the adhesive are recommended.
- Avoid contact with water until the adhesive is fully cured.
- Not suitable for PE, PP, Teflon.
- Not suitable for surfaces permanently wet.

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

Warranted shelf life is 12 months from the manufacturing date when stored in unopened, original

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package at temperatures from +5 °C to +25 °C in a dry place protected from freezing and excessive heat.

CATALOGUE DATA

Nominal capacity	Colour	Number of pieces per collective package	Catalogue Number	Index	EAN Code
280 ml	transparent	12	ADB-ADHHARS1-TP-35-ml-280-003	10040956	5902120168309

SAFETY AND HEALTH PRECAUTIONS

For detailed information find Material Safety Data Sheet available at producer upon request. Disposal considerations: Product remains and empty cartridges must be disposed of in compliance with official, local regulations.

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.