

TYTAN PROFESSIONAL FIX² ELASTIC Adhesive-Sealant



Polymer-based adhesive-sealant with high application and usage parameters. The applied hybrid technology guarantees permanent sealing of bonded elements, high elasticity of the joint, excellent vibration damping and stress transfer of the bonded material. It creates a durable connection resistant to changing temperature and humidity conditions, UV radiation as well as fungi and mould. The product does not corrode metals, does not discolour, can be used on delicate / sensitive surfaces and can be painted.



BENEFITS

- 2 in 1 adhesive - sealant
- highly elastic joint, resistant to moisture
- sanitary - class XS2
- mold & fungi resistant
- high adhesive strength
- excellent adhesion to most substrates and materials, both absorbent and non-absorbent
- resistance to UV radiation
- for interiors and exteriors
- paintable after curing
- does not cause corrosion of metals

RECOMMENDED USES

- it is designed for installation and sealing of: sanitary appliances (sinks, bathtubs, bowls), sinks, kitchen countertops and panels, sheet metal, finishing and decorative elements
- for materials made of wood, stone, marble, PVC, glass, lacquered glass, wood-based materials (MDF, HDF), raw aluminum, EPS, XPS
- for mirrors, mirror plates, ceramic tiles and metals
- for filling gaps in concrete, plaster, wood and making expansion joints
- for industrial and installation applications
- for indoor and outdoor applications
- for sealing expansion joints on terraces and balconies

NORMS / ATESTS / CERTIFICATES

The product meets requirements of:

- EN15651-1:2012 F-EXT-INT-CC;20HM
- EN15651-3:2012 S ; XS 2
- EN15651-4:2012 PW-EXT-INT-CC;20HM
- VOC TEST: M1
- EMICODE: EC1 PLUS
- French VOC Regulation A+
- Indoor Air Comfort GOLD - Pass

Additional information

- Fire reaction: E

TECHNICAL DATA

Parameter	Value
Density (ISO 2811-1) [g/ml]	1,4 - 1,44
Skin formation time [min]	10 - 20
Hardness (Shore A) (ISO 868)	40 - 45
Elongation at break (ISO 37) [%]	260 - 360
Movement accommodation (ISO 9047) [%]	20
Temperature resistance [°C]	-40 - +90
Full setting time [h]	24
Conditions of application	Value
Application temperature [°C]	0 - +40
Colour	Value
White	+
Black	+
Brown	+
Grey	+
Graphite	+

METHOD OF USE

Prior to application, read safety instruction presented in MSDS.

Surface preparation

- The surface of the substrate and the glued/sealed element should be even, load-bearing, clean, dry, free from dirt and substances that impede bonding.
- Surfaces best degrease with acetone or ethanol (glass, glaze, metal) or detergent (synthetic materials).
- During sealing, in order to avoid contamination of the area around the joint and to maintain an even line, use adhesive tapes, which should be removed immediately after finishing the sealant.
- The width of the joint should be taken such that it is able to carry the movement within the range calculated for the sealant (adaptation to movement).
- The minimum width of the joint is 6 mm, and the maximum is 25 mm. The joint should be designed so that the ratio of width to depth is 2:1 (e.g., 12 mm wide and 6 mm deep).
- For proper design deep joints should be filled with back-up rod.
- In moving joints, it is necessary to avoid three-way adhesion of the sealant to the surface, as this can lead to damage. For this purpose, if the depth of the joint does not allow the introduction of polyurethane foam, use expansion tape or expansion cord.
- The introduction of foam or tape causes two-sided adhesion of the sealant and allows it to work properly together with the joint.
- If the joints are too shallow to use an expansion cord, it is recommended to use adhesive polyethylene tape. It acts as an expansion cord to prevent three-way adhesion.

Product preparation

- It is recommended to condition the product at room temperature before application.
- Cut off the cartridge outlet, and then screw the applicator cut at an acute angle, to the diameter resulting from the width of the gap to be filled or the precision of the parts to be glued.
- Apply with a professional squeezer.

Application

- Sealing:
 - Apply the product to the sealing area.
 - Smooth out the gap with a sealant cube.
 - The joint treatment should be done before the product begins to cure, within 10-20 min.
 - Remove the masking tape before the epidermis forms.
 - Secure the joint until fully cured.
- Bonding:
 - Apply the adhesive in spots or in strips to one of the surfaces to be glued.
 - After applying the glue, join the glued parts, pressing evenly and firmly.
 - Correction can be done up to 20 min after sticking.
 - The adhesive cures under the influence of moisture from the air, so it is necessary to provide access of air to the curing joint, especially when gluing non-absorbent surfaces.

- Depending on the surface and the weight of the items to be mounted, it may be required to support the items for min. 24 hours.
- Once the product is fully cured, the adhesive force is up to 250 kg/10 cm².

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

- Not suitable for bonding aquariums and terrariums.
- Sealant is not intended for applications involving structural glazing.
- Before painting it is recommended to conduct a trial test.
- It is recommended to conduct preliminary adhesion tests before bonding, especially for plastics.
- Not suitable for PE, PP, Teflon and bituminous surfaces.
- The adhesive can be applied to damp, but not wet, surfaces.
- The product is not intended for bonding and sealing components that are in constant contact with water.
- When bonding non-absorbent surfaces, the setting time may be extended.

ADDITIONAL INFORMATION

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 the original sealed packaging, in a dry place, protected from frost and overheating, at a temperature of +0°C to +25°C.

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.