

# TYTAN EURO-LINE Universal Acrylic

TYTAN EURO-LINE Acrylic is an excellent sealant for filling cracks, scratches and crevices in walls. It has good adhesion to generally used in construction industry, both dry and damp substrates.



## BENEFITS

- odourless and chemically neutral
- possibility of painting and grinding after curing
- possibility of applying multiple layers after curing
- exterior and interior applications
- possibility of joint repair using the same material
- phthalate-free

## RECOMMENDED USES

- sealing around windows, door frames, sills and balustrades
- sealing cracks and gaps in walls, ceilings and facades
- grouting of corners of walls and ceilings
- connection construction and building elements subjected to tensions

## NORMS / ATESTS / CERTIFICATES

The product meets requirements of:

- EN 15651-1:2012 F-EXT-INT, class 7.5 P

Additional information

- Fire reaction: E

## TECHNICAL DATA

| Uncured - tested at 23°C and 50% relative humidity             | Value       |
|--|-------------|
| Density (ISO 2811-1) [g/ml]                                    | 1,66 - 1,68 |
| Skin formation time [min]                                      | 10 - 20     |
| Tack Free [min]  | 5 - 10      |
| Curing rate [mm/24h]   | 0,5 - 1,0   |
| Flow from vertical surfaces [+50°C] (ISO 7390) [mm]            | 0 - 3       |
| Cured - tested after 4 weeks at 23°C and 50% relative humidity | Value       |
| Shrinkage (ISO 10563) [%]                                      | 20 - 25     |
| Module at 100% elongation (ISO 37) [MPa]                       | 0,35 - 0,45 |
| Movement accommodation (ISO 9047) [%]                          | 7,5         |
| Elongation at break (ISO 37) [%]                               | 200 - 300   |
| Elongation at break (ISO 8339) [%]                             | 25 - 50     |
| Elastic recovery (ISO 7389) [%]                                | 15 - 25     |
| Shore A hardness (ISO 868)                                     | 40 - 45     |
| Temperature resistance [°C]                                    | -20 - 80    |
| Adhesion to surface  | Value       |
| Concrete   | +/-         |
| Galvanized sheet   | +/-         |

| Lacquered wood                   | +        |
|----------------------------------|----------|
| PS (polystyrene)                 | +/-      |
| PC (polycarbonate)               | +/-      |
| Brick                            | +        |
| Sandstone                        | +/-      |
| Plaster/Drywall                  | +        |
| Cork                             | +/-      |
| Foamed PS (styrofoam)            | +        |
| Raw wood (pine)                  | +        |
| Hard PVC (polyvinyl chloride)    | +        |
| Heterogeneous PVC floor covering | +        |
| Colour                           | Value    |
| White                            | +        |
| Black                            | +        |
| Brown                            | +        |
| Grey                             | +        |
| Creamy                           | +        |
| Bronze/champagne                 | +        |
| Golden oak                       | +        |
| Anthracite                       | +        |
| Sand beige                       | +        |
| Conditions of application        | Value    |
| Surface temperature [°C]         | +5 - +40 |
| Container temperature [°C]       | +5 - +25 |
| Application temperature [°C]     | +5 - +40 |

## METHOD OF USE

Prior to application, read safety instruction presented in MSDS.

### Surface preparation

- Bonding surfaces must be clean, dry (not frosted) free of dust, rust, old loose material, oil, grease, paint and other dirt which reduces the adhesion of the sealant.
- To avoid dirtiness around the gap and to maintain equal line use adhesive tapes which should be removed immediately after finishing sealing.
- Sealant does not require using primer on most surfaces but on some specific surfaces may have to use it to improve adhesion.
- To increase the adhesion to absorptive substrates, using primer (solution of acrylic in water with ratio 1:2) is recommended.

### Product preparation

- Prior to application, the product should be conditioned at room temperature.

### Application

- Cut off the top of the threaded adapter. Screw the nozzle tip on and cut off at a 45° angle, with the diameter equal to the gap width.
- Cut off the top of the foil. Screw the nozzle tip on and cut off at a 45° angle, with the diameter equal to the gap width.
- Squeeze sealant by mechanical or pneumatic gun.
- Overdried porous surfaces (plaster, concrete) can be slightly moistened with water to improve the adhesion of the sealant.
- Treatment make at the time of workability given in the technical data table.
- Applied sealant should be smoothed immediately with a spatula soaked in water for best result.
- Remove masking tape before skin will form.
- Joint should be allowed to fully cure.

### Works after completion of application

- Clean while uncured with water or water and soap.
- After curing, remove from hands with water and soap; from tools remove mechanically.
- Freshly applied sealant should be protected from rain and direct action of water for minimum 6 hours.
- DO NOT WASH HANDS WITH SOLVENTS.

## Remarks / restriction

- Sealant should not be used on bituminous surfaces, partially vulcanized rubber, chloroprene or other construction materials that bleed oils, plasticizers or solvents.
- Sealant is not intended for sealing joints of natural stone, such as granite, sandstone, marble, etc.
- Sealant is not recommended for joints that are permanently under water, because it can cause physical changes.
- Not suitable for bonding aquariums and terrariums.
- Sealant is not intended for applications involving structural glazing.
- It is not suitable for direct contact with food and medical uses. Sealant was not duly tested and it is not suitable for medical and pharmaceutical applications.
- Before painting it is recommended to conduct a trial test, especially in a case of solvent-based paints.
- Do not apply on PE, PP - no adhesion.
- Do not apply on sensitive metal surfaces for example copper and its alloys and silver steel of mirrors.
- Uncured joint should be protected from rain.

## 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

Warranted shelf life is 24 months from the manufacturing date when stored in unopened, original package at temperature from +5 °C to +25 °C in a dry place protected from freezing.

## CATALOGUE DATA

| Nominal capacity / volume / size | Colour | Number of pieces per collective package | Index    | EAN Code      |
|----------------------------------|--------|---|----------|---------------|
| 280 ml                           | white  | 12                                      | 10051002 | 5902120168026 |

## 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.