

ELASTO PU

One component polyurethane based elastic mastic sealant

One-component (1K) medium-modulus thixotropic polyurethane-based mastic sealant that cures on exposure to atmospheric humidity. Suitable for filling joints and for waterproofing almost all typical building construction materials.



Advantages:

- Permanent elasticity after curing
- Suitable for indoor and outdoor applications
- Excellent adhesive to all typical construction materials
- 25 % movement capability
- No surface tackiness after full cure
- Do not pick up dirt
- No shrinkage
- Cures bubble-free
- Enhanced storage stability
- No sagging
- Can be applied with hand gun and tooled easily
- Paintable



TECHNICAL CHARACTERISTICS



Packaging:

• 310 mL, 600 mL containers



Consumption:

1.5-5 m/container depending on the joint width



Color:

White/grey/brown.



Storage:

Stored in the unopened, original package in a dry place at temperatures between +10°C and +25°C for 15 months from the production date.



Application:

Suitable for application bricks, ceramics, glass, wood, cement-based materials etc.

FIELDS OF APPLICATION

- Cement based materials
- Brick
- Ceramic
- Glass
- Wood
- Prefabricated construction materials
- PVC window frames
- Cement based materials
- Galvanized iron
- Painted sheet iron
- Various plastics
- Sealing and bonding of ventilation ducts
- Bonding roof tiles

SUBSTRATE PREPARATION

The substrate must be dry, cleaned of dust, loose particles, oils etc. The cleaning of joint with paint brush or special brush and blowing with compressed air is recommended.

APPLICATION

The cartridge is placed in the special gun and then the nozzle is cut sideways not to penetrate, but just to touch the side of the joints. Applied, placing the cartridge 45° angle to the axis of the joint. Apply by hand or air gun (maximum required pressure: 3,5 kg). While is still fresh the silicone smoothed with a spatula. Avoid entrapping air. To avoid unwanted spots on the side of the joints, place paper tape and remove it immediately after sealing (before membrane formation) while the sealant is still soft. Joint width/depth ratio should be 2:1

CONSUMPTION

Joint width (mm)	Joint Depth (mm)	Joint length/ 600 mL
15	8	5
20	10	3
25	12	2
30	15	1.3
35	15	1.1

TOOLS CLEANING

The tools should be cleaned thoroughly as much as the material is still fresh with water. After curing of the materials, the tools are cleaned mechanically.

NOT RECOMMENDED

It must not be used in totally confined spaces where sealant cannot cure due to lack of atmospheric moisture. Do not use in applications where continuous water immersion is possible. Do not apply on frozen, wet surfaces, or standing water. Prolonged exposure to direct sunlight may cause discoloring. Avoid application below 5°C and above 40°C.

PRECAUTIONS

If swallowed seek medical advice immediately and show the product or label.

Technical characteristics	Units	Standard	Value
BEFORE CURING			
Base			Polyurethane
Consistency			Thixotropic
Curing Mechanism			Moisture Curing
Density	g/ml		1.20 ± 0.03
Track Free Time	min	at 23 ⁰ C and 50% R.H.	30 to 60
Curing Rate	mm/day	at 23 ⁰ C and 50% R.H.	Min. 2.00
Sagging	mm	EN ISO 7390	0
Temperature Resistance	⁰ C		-40 to 70
Application Temperature	⁰ C		+5 to 40
AFTER CURING			
Hardness Shore A	day	After 28 days	25 to 30
Paintable			Yes
Elastic Recovery	%	ISO 7389	≥ 70
Movement Capability	%		25
GLASS – GLASS			
Elongation at Break	%	ISO 8339	Min. 120
E100 Modulus (23 ⁰ C)	N/mm ²	ISO 8339	0.30 to 0.40
E100 Modulus (-20 ⁰ C)	N/mm ²	ISO 8339	≤ 0.60
DUMPLE TEST			
Elongation at Break	%		≥ 700
Tensile Strength	N/mm ²		1.0 to 1.5
Color			White
Self Life	months	Storage +10 ⁰ C to 25 ⁰ C	15

*Note: The measurements were taken in laboratory environment under normal temperature and relative humidity conditions (+23⁰C, 50%). It is possible for them to vary depending on the conditions prevailing at the worksite (temperature, humidity, absorbability of the substrate).

The technical information and instructions contained in the present brochure and referring to the application and end use of Thrakon products are based on the up to now know-how and experience of the Company with regards to the products and are provided in good faith as long as such products are stored, used and applied as per Thrakon recommendations. Due to the inability, on our part, to directly inspect the conditions prevailing at the worksite as well as the application procedures of the product, the Company does not provide any guarantee with regards to the adequacy of its products for specific purpose while the Company shall not bear any legal responsibility based on the information stated in the present brochure or any other written, oral, or otherwise provided recommendations and instructions. The users of the products are advised to perform a limited surface testing of the products adequacy for the eventual application and use intentions. Thrakon reserves the right to modify the features of its products without prior notification. All orders shall be approved only following acceptance of the above and under the eventual Commercial Policy terms of the Company. The issuance of the present brochure voids any prior version.

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