

ELASTO PU **POLYURETHANE SEALANT**

DESCRIPTION

One component, solvent-free polyurethane sealant. Exhibits excellent adhesion to all building materials and permanent elasticity under all climatic conditions.

Ideal for sealing joints in concrete, wood, etc.
Colour: white, grey. Other colours upon minimum order.

ADVANTAGES- SPECIFICATIONS

- Excellent adhesion to most building substrates.
- Paintable (necessary previous test compatibility).
- First-rate resistance to water and UV-rays (ultraviolet radiation)
- Permanent elasticity under all climatic conditions.
- Resistance to low and high temperatures (-30⁰C εωç +80⁰C).
- Suitable for indoor and outdoor applications.

FIELDS OF APPLICATION

Suitable for sealing joints and for construction of dilation joints in concrete, wood, metal, aluminum or PVC frames and masonry. For inside and outside use.

PREPARATION OF SUBSTRATE

Joints must be sound, clean, dry and free from oil and grease. Curing compound residues and any other foreign matter must be thoroughly removed. Install bond breaker to prevent bond at base of joint.

Priming is not usually necessary. Most substrates only require priming if testing indicates a need or where sealant will be subjected to after immersion after cure.

APPLICATION

The cartridge is positioned in the special gun and the nozzle is cut sideways in order not to penetrate but to rest on side of the joint. The mastic is applied by driving the cartridge to an angle of 45^o to the axis of the joint. As long as the mastic is still fresh it is smoothed by spatula.

Apply by hand or air gun (maximum required pressure: 3,5 kg). During application 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).

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.

CONSUMPTION

WIDTH x DEPTH (mm) JOINTS	TOTAL LENGTH IN M / CARTRIDGE 280 ML	REQUIRED CARTRIDGES PER 100 m	OVERALL LENGTH m PER FOIL BAGS 600ml	REQUIRED FOIL BAGS PER 100 m
4 X 4	19,4	5	37,54	3
5 X 5	12,4	8	29,99	4
8 X 5	7,8	13	15,09	7
8 X 8	4,8	21	9,29	11
10 X 8	3,9	26	7,55	13
10 X 10	3,1	32	6,00	17
12 X 8	3,3	30	6,39	16
12 X 10	2,6	39	5,03	20
15 X 10	2,1	48	4,06	25
15 X 12	1,7	59	3,29	30
15 X 15	1,4	71	2,71	37
18 X 10	1,7	59	3,29	30
18 X 15	1,1	91	2,13	47
20 X 10	1,5	67	2,90	35
20 X 15	1,0	100	1,94	52
25 X 12,5	0,9	111	1,74	57
25 X 15	0,8	125	1,55	65

PACKAGING & STORAGE

- Cartridges 310 ml.
- Foil bags 600 ml.

In a dry environment at temperatures above 0°C for 12 months from date of production.

NOT RECOMMENDED

- Exposure to high levels of chlorine.
- Avoid contact with cleaning solvents during application.
- Do not use for joints with thickness greater than 15 mm.
- Do not apply when moisture and vapor because it can cause bubbles during application.
- Light yellowing may appear when exposed to ultraviolet radiation.

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CLEANING

Tools should be cleaned thoroughly with water, when product is still fresh. After the curing of products, the tools are cleaned mechanically.

PRECAUTIONS

Harmful for aquatic organisms. May cause long-term adverse effects in the aquatic environment. Keep away from children.

If swallowed, seek medical advice immediately and show this container or the label.

TECHNICAL CHARACTERISTICS	UNITS	STANDARD	VALUE
Form			Thixotropic paste
Color			Grey/white
Density	(g/ml)		1,17 to 1,19
SHORE A hardness (3s)	(⁰ C)	ISO 868	≈20
E-Modulus at 100%	(MPa)	ISO 8339	0,20
Tack-free time (25 ⁰ C – 50% ΣY)	(min)		15
Curing speed (25 ⁰ C – 50% ΣY)	(mm)		3mm/day
Application temperature	(⁰ C)		+5 to +30
Temperature resistance after curing	(⁰ C)		-30 to +80
Slump		ISO 7390	No
Elongation at break	(%)	DIN 53504	600

Note: The measurements were taken in laboratory environment under a temperature of +23⁰C, Relative humidity 50 % and without ventilation. It is possible for them to vary depending on the conditions prevailing at the worksite, such as temperature, humidity, ventilation, absorptibility of the substrate.

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