



Top Seal PU 711-PO

Product Description

A self-leveling polyurethane sealant specifically formulated for horizontal surfaces. Its high elasticity enables it to accommodate continuous structural movements resulting from thermal fluctuations, effectively preventing cracking or loss of adhesion.

Product uses:

- Concrete Panel Joints
- Precast Panels,
- Horizontal Dilatations
- PVC, Wood, Metal Aluminum And Plastic Surface Joints
- Sealing Of Joints in Water Tanks and Swimming Pools.
- Sealing Of Joints in Irrigation Channels.
- Sealing Of Roofs and Terraces Joints.
- Large Expansion Construction Joints.
- Airports Runway Joints.

Properties

- Solvent free with zero VOC
- Maintains its mechanical properties over a temperature span of - 40 °C to + 90°C.
- Resistant to detergents, oils, seawater and domestic chemicals.
- Resistant to frost.
- Fast cure
- High adhesion strength
- Capable of $\pm 25\%$ joint movement.

TECHNICAL PROPERTIES

Appearance/Color

Glossy / Gray

Density:

1.30 kg/liter

Consumption:

Width (cm)	Depth (cm)	Volume (cm ³)	Consumption (g)
1	0.5	50	67.5
2	1	200	270
3	1.5	450	607.50
4	2	800	1080

Tensile strength:

0,75-1,0N/mm²

Elasticity:

250 % (73 °F (23 °C) 50 % R.H.)

Curing Rate (23 °C/50R.H.):

Min. 3mm/day

Hardness, Shore A:

25 \pm 5 (73 °F (23 °C) 50 % R.H.)

Service Temperature:

-40°C to 90°C

Application Temperature:

Between 5°C to 35°C

Application Details

Application method:

pouring

Mixing ratio

2 :1 (by weight)



Application Guidelines:

- **Surface Preparation:** Ensure that all joint surfaces are clean, dry, and free from dust, grease, oil, or any other contaminants that may impair adhesion.
- **Masking:** If required, apply masking tape along the edges of the joint to achieve clean lines. Remove the tape immediately after application, while the sealant is still uncured.
- **Mixing Procedure:** Pour the entire contents of Component B into the container of Component A. Mix thoroughly for 5–10 minutes using a low-speed drill (400–600 rpm) until a uniform color and consistency are achieved. Avoid air entrapment during mixing.
- **Pot Life:** Apply the mixed sealant within 15 minutes to ensure optimal performance.

PRECEDING COAT:

- Top Floor TS 500-SB
- Poly Clear PU 080

Shelf life & Storage:

12 months from date of production if stored properly in original, unopened and undamaged sealed packaging in dry conditions at temperatures between +5°C and +30°C.

Safety:

For information and precautions on the safe handling, transportation storage and disposal of chemical products, users shall refer to the most recent Material Safety Data Sheet containing physical, ecological, toxicological and other safety-related data.

Legal Notice:

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