



Top Seal PS 812-PO

Product Description

A highly elastic, two-component joint sealant based on liquid polysulfide polymer. The system cures through a chemical reaction initiated by a catalyst, forming a durable, flexible seal ideal for dynamic joint movements.

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

- Maintains its mechanical properties over a temperature span of - 40 °C to + 90°C.
- Resistant to fuels, oils, solvents, acids, alkalis, and saltwater
- Resistant to frost.
- Fast cure
- UV-stable and durable under outdoor exposure
- Typically -30°C to +80°C
- Movement Accommodation Factor Up to ±25% of joint width

TECHNICAL PROPERTIES

Appearance/Color

Glossy / Gray & Black

Density:

1.57 kg/liter (DIN 52451)

Consumption:

Width (cm)	Depth (cm)	Volume (cm ³)	Consumption (g)
1	0.5	50	78.50
2	1	200	314
3	1.5	450	706.50
4	2	800	1256

Elasticity:

250 % (73 °F (23 °C) 50 % R.H.) (DIN 53505)

Curing time (23 °C/50R.H.):

3 - 6 hours

Surface shrinkage:

Maximum 1 mm

Shrinkage while curing Maximum:

9.5 %

Hardness, Shore A:

25±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

3: 0.5 (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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