

VALPLAN® Swell Bar

Swellable water bar for in-situ concrete.

Project Description

VALPLAN Swell bar is a Hydrophilic swellable water bar which can be installed and positively linked to conventional PVC water stop. It is used for the construction joints. It is made from high performance Composition and is a hydrophilic swell strip consisting of an acrylate- based polymer swelling substance & copolymer based thermoplastic elastomer.

Characteristics / Advantages

- Sustain effective seal in wet condition
- Easy to install
- No effect on swelling properties by long term wet/dry conditions
- No trace of Bentonite
- Maintain its shape at maximum swelling without any cracks.
- High elastomeric properties at maximum swelling state

Technical Parameters

Characteristics	Specifications
Form	Rectangular sectionelastomeric strips
Standard dimensions	20mm X 10 mm X 10 mtr. 20mm X 05 mm X 20 mtr. 10mm X 10 mm X 20 mtr.
Solid content	100%
Unrestrained volumetricexpansion	Up to 300%
Application temp. range	-20° to 50°C Service
Service temp. range	-30° to 70°C
Hydrostatic pressureresistance	Up to 60 meters (6 bar)

How it works?

- The joint sealant should be applied on a dry and smooth surface. When needed, the construction joint should be additionally smoothed out with swelling sealant. Fixation on the concrete surface can be done using adhesive and/or nails every 20 to 25 cm.
- It is advised to install 8 cm of concrete on both sides of the expansion sealant to avoid the cracking.
- The ends of the swell strips should be placed head-to-head against each other or with an overlap of 10 cm. (between the inner and outer reinforcement).

Limitation

Don't use it for the Expansion joints.

Storage

VALPLAN[®] Swell Bar must be stored in dry conditions. It must be protected from direct sunlight, rain, snow, and ice. With shelf life of 2 years if in original packaging.

Legal Notes

All data in our product information are based on our current knowledge and experience. They do not release users from careful testing of the application and strict observation of the relevant processing regulations because of the wide range of possible influences during the application and use of our products. Legally valid assurances of specific characteristics or suitability for special purposes of application other than those provided in our documentation for the specific product cannot be inferred from our information. The recipient or processor of our products at their own responsibility must follow any protective rights or existing laws and provisions. Moreover, our general terms and conditions of sale and warranty are valid.