

# Swell-PolyTape

## POLYMER BASED SWELLING TAPE

### SMART ADVANTAGES

- Fills all the cracks, pores and capillary voids when contacted with water.
- Provides impermeability by penetrating into the concrete.
- It is compatible with ground water, fresh water, salt water and alkaline water

### PRODUCT DESCRIPTION

Bostik Swell-PolyTape is a thermoplastic elastomer tape, that is used in the concrete joints to prevent water transition. It has the capability of %800 expansion.

### AREAS OF APPLICATIONS

- In pools and water tanks,
- In tunnels, metros and garages
- In drainages and water treatment plants.
- In the joints of foundations and basement walls subject to water.

### FEATURES

- Fills all the cracks, pores and capillary voids when contacted with water.
- Provides impermeability by penetrating into the concrete.
- Forms an active pressure against water in the concrete.
- Excellent compliance with deformed surfaces and joints.
- Saves time and labour.
- Holds suitable varieties and sizes for all kind of application.

### PREPARATION OF THE SUBSTRATE

- In all applications, general construction standards and technical application specifications must be taken into consideration.
- The surfaces to be coated should be free of adhesive preventive foreign substances such as dust, dirt, mould oil, paint, water etc.; residues and wastes like cement, plaster and concrete should also be removed.

### APPLICATION

- The Swell-PolyTape has to be settled min. 8 cm. away from the point that subject to water.
- A relavent adhesive can be used.
- In the joints of the tape, the ends must be side by side min. 50mm.
- After 8 hours ,concrete can be poured.
- After the application, the tape must be prevented from water until the concrete is poured..

### PACKAGING

5 x 20 mm- 40 mt/roll

### STORAGE

Shelf life is maximum 12 months in its original package when stored in a dry, clean and water- and humidity-free place.

### TECHNICAL DATA

|   |  |
|---|--|
| Colour  | Blue   |
| Size (mm)   | 20 x 5   |
| Density (at 25°C) (gr/cm <sup>3</sup> )                             | 1,25   |
| Expansion Capability  | At the beginning : 5x20x150mm<br>After 2 hours: 7x24x160mm (180%)<br>After 24 hours: 9x34x225mm (459%)<br>After 8 days: 10x44x278mm (815%) |
| Expansion pressure  | 1,06 N/mm <sup>2</sup>   |
| Water Pressure Resistance<br>Joint width 2,5mm<br>Joint width 1,0mm | 2 bar<br>1,5 bar   |
| Toxicity  | No   |
| Fire Resistance   | Class E (DIN EN 13501-1)   |

Technical data are approximately provided according to a temperature of + 23°C and a relative humidity of 50%.



**BOSTIK SMART SUPPORT**

**Smart help**  
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