

# SWELL-FLEX ACRYLIC

## ACRYLIC POLYMER BASED EXPANDING WATERSTOP

### DEFINITION:

Swell-Flex Acrylic is a new generation high performance hydrophilic acrylic polymer based expanding waterstop. It expands up to 300% when in contact with water.

### USAGE AREAS:

Swell-Flex Acrylic is used in concrete construction for sealing of construction joints including wall/base connections, pipe entry systems, sealing of openings and interface sections between existing and new concrete.

### TECHNICAL SPECIFICATIONS:

#### Volumetric Change:

After 7 days in water	: $\geq 200$ %	DIN 73521
After 14 days in water	: $\geq 300$ %	DIN 73521
Dry/wet conversion	: $\geq 200$ %	DIN 73521

#### Physical Properties:

Water Pressure Resistance	: 7 bar at 70m
Application Temperature Range	: $-20^{\circ}\text{C}$ to $50^{\circ}\text{C}$
Tests Area Water Hardness Rating $\text{CaCO}_3$ to $\text{CaCO}_3$ content)	: 200 ppm (The expansion rating is affected according

Note: Technical data is provided according to a temperature of app.  $20^{\circ}\text{C}$  and relative humidity of 50%

### ADVANTAGES:

Conformable, can be used on a variety of irregular substrates.  
Forms an impermeable barrier against water in concrete.  
Excellent compliance with deformed surfaces and joints.  
Saves time and labour.  
Simple overlap jointing on site.  
In totally dry state it will shrink to original dimensions and re-expand in contact with water.

### APPLICATION:

Roll out required amount of Swell-Flex Acrylic and apply exposed face to concrete, a space of minimum 75mm must be given to concrete cover on all sides.  
Firmly press the SWELL FLEX onto concrete fully. Use acrylic mastic in vertical application for better adhesion and press for at least 15 seconds for perfect adherence.  
Make sure waterstop covers all parts of the surface, especially for surfaces which are not perfect in shape. Put together tape ends side by side or end to end; do not overlap.  
When Swell-Flex has been positioned remove backing paper and pour concrete carefully.  
When installing Swell-flex vertically, work from bottom to top prevent material deformation/elongation.  
It is not suitable for use in movement joints.

### PACKAGING:

Roll in cardboard box.

Dimension:

5 mm X 20 mm X 20 meter
10 mm X 20 mm X 10 meter
20 mm X 25 mm X 5 meter

### SHELF-LIFE AND STORAGE:

Store in cool dry conditions, away from sunlight

### WARNING AND CAUTION:

The length between Swell-Flex and the outer surface of the concrete must be 5 cm minimum.  
It is not suitable for the joints of precast building elements. Use our unique BibaFlex for this type of applications.  
Swell-Flex should be protected from humidity and rain prior to application.

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Swell-Flex can be used underwater up to a depth of 12 meters  
Keep out of reach of children.  
Avoid direct sunlight and heat.

This technical bulletin is based on general conditions. In practice, temperature and humidity may affect the values mentioned above. You are requested to demand our written approval for any detail which is not clearly mentioned above. Otherwise we disavow any responsibility for any problems which may arise. This technical bulletin invalidates any former bulletin about this product.

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