

### PRODUCT DESCRIPTION

PSW™ is a specially formulated, high performance, swellable, one-component, polyurethane-based waterstop for use in all kinds of construction joints for long lasting waterproofing. Swelling rubber creates a compression seal within joint, blocking the passage of water. PSW™ is based on pure elastomeric hydrophobic polyurethane resins, and is extended with chemically polymerized virgin bitumen, which results in excellent mechanical, chemical, thermal and natural element resistance properties. It cures by reaction with ground and air moisture.

### PRODUCT FEATURES

- Excellent adhesion – bonds to most construction materials without a primer.
- Easy, simple application.
- Excellent resistance to aging, weathering.
- Non-staining.
- Non-Shrinking
- High durability
- High elasticity – cures to a tough, durable, flexible consistency with exceptional cut and tear-resistance.
- Permanently water resistant, with no leaching and does not dissolve in water.
- Adaptable in the field to suit job requirements.
- No nails, glue, or hooks required.
- Offers resistance to various chemicals.
- Very economical.
- No mixing required.

### PRODUCT USES

PSW™ can be used on:

- All type of construction vertical and horizontal joints in new watertight concrete structures.
- Sealing pipe penetrations through walls and floor slabs.
- Sealing joints between precast elements.
- Waterproofing joints in walls, balconies, around window or door frames.

### HOW TO USE

#### SURFACE PREPARATION

All surfaces should be clean, dry and free from grease, oil, dust and other contaminants. Remove all loose material by a grinding machine. A roughened surface will also enhance bond. Do not leave the product in contact with wet concrete, or on a surface with a very high moisture content, for a long period of time, before casting new concrete. Moisture content should not exceed 5%. New concrete structures need to dry for at least 28 days. Possible surface irregularities need to be smoothed. Do not wash surface with water.

#### MIXING

PSW™ is a ready to use product, stir slightly.

#### PRIMING

Priming is not usually necessary. Most substrates only require priming if testing indicates a need or where sealant will be subjected to water immersion after cure.

#### APPLICATION:

Temperature of the surface, the air and the material should be between 5 and 35°C during application.



Polyurethane-based Swellable Waterstop- PSW™

Apply a uniform, continuous bead of PSW™ to the hardened concrete by gun. Place nozzle of gun into bottom of the joint and fill entire joint wait for approximately 2 hours after placement of the PSW™ before placing concrete. For optimum application, store material at 20°C for a minimum of 8 hours prior to use; if the material appears stiff, knead the sausage for a short time before placing in bulk gun.

#### TECHNICAL DATA

Specific weight	1.3 Kg/L
Tensile Strength	>4.5 N/mm <sup>2</sup>
E-Modulus	0.6 N/mm <sup>2</sup>
Shelf Life	12 months
Resistance to Weathering	Excellent
Elastic Recovery	90%
Application Temperature	+5 to +35 °C

#### HANDLING

Approved personal protection equipment should be worn at all times. Particle mask is recommended for possible airborne particles. Gloves are recommended when handling mortar to avoid skin irritation. Safety glasses are recommended to prevent eye irritation. Wear chemical resistant clothing/gloves/goggles. Ventilate area. In absence of adequate ventilation, use properly fitted respirator.

#### STORAGE

Store in dry, under normal warehouse conditions between 5°C and 35°C. It should be stored in unopened original packaging and clear of the ground. Protect the material against moisture and direct sunlight.

#### CLEAN UP

Uncured material can be removed with approved solvent. Cured material can only be removed mechanically. For spillage, collect and dispose of in accordance with current, applicable local, state, and federal regulations.

#### FIRST AID

In case of skin contact, wash thoroughly with soap and water. For eye contact, flush immediately with plenty of water; contact physician immediately. For respiratory problems, remove to fresh air. Wash clothing before reuse.

**DISCLAIMER OF LIABILITY**

AFZIR, LLC warrants its products to be free from manufacturing defects. Buyer determines suitability of product for use and assumes all risks. Buyer's sole remedy shall be limited to replacement of product. Any claim for breach of this warranty must be brought within six months of the date of purchase.

AFZIR shall not be liable for any consequential or special damages of any kind, resulting from any claim or breach of warranty, breach of contract, negligence or any legal theory.

The Buyer, by accepting the products described herein, agrees to be responsible for thoroughly testing any application to determine its suitability before committing to production.