

# KEMSTOP WS

## Swellable Water Stop

### 1 .Description:

**KEMSTOP WS** is water swellabl waterstop manufactures from thermoplastics Synthetic rubber and swelling agents compounded to produce a reswellable waterstop

**KEMSTOP WS** is used O seal construction joints.

### 2 .Scope:

A flexible butyl rubber and swellable clay waterproofing compound that swells upon contact with water to form a long lasting compression seal in non-moving concrete joints.

Swellstop requires a 5cm minimum clear coverage from the face of the concrete.

- Applications include:
- Foundation walls and slabs
- Slabs-on-grade
- Precast wall panels
- Manholes
- Pipe connections
- Box culverts
- Utility and burial vaults
- Wet wells
- Portable water tanks



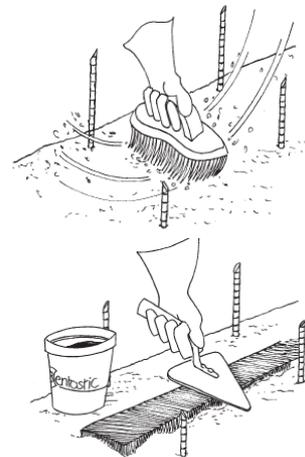
### 3. How to use:

#### 3.1. Surface preparation:

3.1.1. Remove all dust, dirt and loose parts by brushing firmly.

3.1.2. When necessary, level very uneven and irregular surfaces with a leveling putty.

3.1.3. When using adhesive, apply a strip of adhesive 5x10 mm. (Horizontal and vertical applications only)



### 3.2. Applications:

- 3.2.1. Unroll **KEMSTOP WS** in the middle of the joint. (Min. concrete covers 7 cm)
- 3.2.2. Make sure to have continuous contact with the joint surface.
- 3.2.3. When using adhesive, press **KEMSTOP WS** firmly into the adhesive
- 3.2.4. Install wire mesh over **KEMSTOP WS**
- 3.2.5. Fix **KEMSTOP WS** permanently to the structure by nailing. (1 nail with washer every 15 cm).
- 3.2.6. We recommend nailing in all applications.
- 3.2.7. To make the connection between 2 pieces of **KEMSTOP WS**, assure a lateral overlap of 5 to 10 cm.
- 3.2.8. Do not allow for any gaps exceeding 4 mm below or on the sides of **KEMSTOP WS** as this may significantly reduce the watertightness of the joint.
- 3.2.9. Plastic pipes can only be treated with **KEMSTOP WS** up to 50 mm dia (2") carrying cold water and up to 25 mm (1") for pipes carrying water with temperatures of 30°C (86°F) or above.1
- 3.2.10. Due to the high swelling pressure of **KEMSTOP WS**, plastic pipes may collapse under load. Larger diameters are only permitted when metal pipes are used.

### 3.3. Curing:

delayed swelling (approx. 5 hours @ 23°C) allows short term contact with water (such as hardened concrete pre-dampening or exposure to rain) prior to the next concrete pour.

### 4. Packaging:

**KEMSTOP WS** is supplied in 50 m rolls with 4rolls per box (Total weight per box approx. 30kg)

