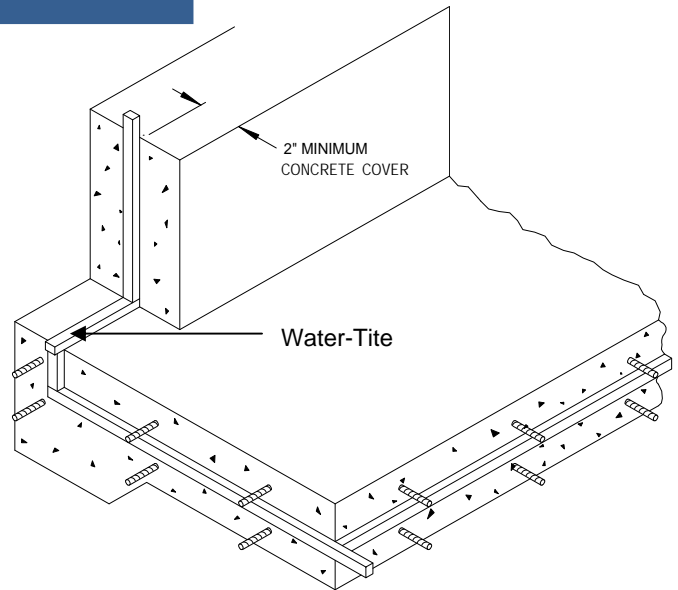


# Water-Tite

## CONTROLLED EXPANSION WATERSTOP

Unlike many of the traditional clay-based products, Southern's Water-Tite will not expand to a point that the waterstop itself is destroyed. In-field experience has proven that products, which continually expand, lose much of their structural integrity and begin to wash away when subjected to a constant flow of water.

The controlled expansion properties engineered into Water-Tite reduce the internal pressures created in cast-in-place applications. Internal pressures can cause spalling in foundations and wall structures.



Water-Tite is formulated with bentonite, a hydrophilic material into a rubber base creating a controlled, moisture-activated sealant. Water-Tite has the structural integrity of a rubber-base sealant as well as the ability to create a self-healing joint material.

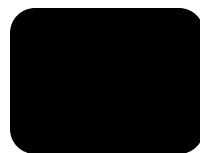
Typical applications for Water-Tite include:

- Manholes
- Box culverts
- Concrete pipes
- Storage tanks
- Manure pits
- Slabs
- Parking garages
- Retaining walls
- Tunnels

Water-Tite Waterstop when used in conjunction with Water-Tite Primer, provides unsurpassed protection in **NON-MOVING CONSTRUCTION JOINTS.**

PHYSICAL PROPERTIES		
Description	Method	Result
Color		Black
Specific Gravity	ASTM D-71	1.35 ± 5%
Hydrocarbon Content	ASTM D-4	47% min.
Volatile Matter	ASTM D-6	1% max.
Penetration, cone at 77°F, 150 gm; 5 sec.	ASTM D-217	40 ± 5%
Application Temperature		-10°F to 125°F
Service Temperature		-30°F to 180°F

**Water-Tite is available in two sizes:**



**3/4" X 1" X 16'8" rolls**  
6 rolls (100 lft.) per carton



**3/8" X 3/4" X 25' rolls**  
6 rolls (150 lft.) per carton

## SOUTHERN

### METAL & PLASTIC PRODUCTS

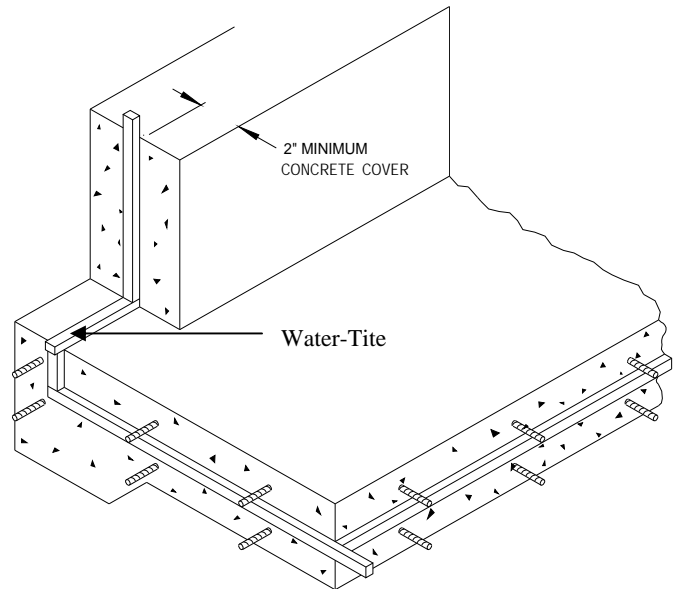
St. Louis, MO 63122  
Phone (800) 325-3597  
[www.SoMetals.com](http://www.SoMetals.com)

### HOW TO APPLY WATER-TITE WATERSTOP ON POURED-IN-PLACE STRUCTURES:

1. Carefully brush off all dust and debris and apply a coat of an appropriate primer to the area where the Water-Tite is to be placed on the standing structure member
2. Using moderate hand pressure, with the heel of the hand press a continuous bead of Water-Tite Waterstop firmly into position on the standing structure. Check to be sure that the sealant has bonded to the primed area.
3. Peel the protective backing from the exposed side of the Water-Tite Waterstop. Knead the overlapped ends together to form a continuous, uninterrupted gasket.
4. Pour the mating structural member into position.

### NOTE: WHEN INSTALLING WATER-TITE ON POURED- IN-PLACE STRUCTURES, ALWAYS REMEMBER THE FOLLOWING CONSIDERATIONS:

1. Place Water-Tite Waterstop so it is within the outer 2" of any vertical or horizontal joint. This usually occurs on the inside edge of the rebar extension. If a keyway is formed, place the Water-Tite into the formed keyway area.
2. Always use an appropriate Primer to avoid dislocation of the Water-Tite during concrete placement.
3. It may be necessary to utilize masonry nails to hold the Water-Tite in place in vertical joints. Space nails on 12" centers.



### HOW TO APPLY WATER-TITE TO PRECAST STRUCTURES:

1. Carefully brush off all loose dust and dirt.
2. Always use an appropriate Primer on both mating surfaces
3. Apply Water-Tite to lap joint or tongue & groove joint in the location where the maximum compression is expected to occur.
4. Using moderate hand pressure, with the heel of the hand press a continuous bead of Water-Tite Waterstop firmly into position on the structure. Check to be sure that the sealant has bonded to the primed areas.
5. Peel the protective backing from the exposed side of the Water-Tite Waterstop. Knead the overlapped ends together to form a continuous, uninterrupted gasket.
6. Assemble mating precast members into position.

**WATER-TITE WATERSTOPS ARE NOT SUITABLE FOR MOVING JOINTS IN CONCRETE.**

**IT IS THE USER'S RESPONSIBILITY TO DETERMINE THE SUITABILITY OF THE PRODUCT FOR A SPECIFIC APPLICATION.**