



**ATLANTA INDUSTRIES, INC.**



**AQUASEAL  
PVC WATERSTOP**

Atlanta Aquaseal (PVC Waterstop) is the most modern & advanced watersealing product developed to meet the specific requirements of designers & builders. It prevents seeping through of liquids in dams, basements, aqueducts, swimming pools, roofdecks, tanks reservoirs, underpasses, canals, cellars and other watertight structures. It conforms with U.S. Corps of Engineers specification CRD-572-70.

**ADVANTAGES**

easy to install • can be welded • non corrosive • chemical resistant • flexible • weather resistant

**SPECIFICATIONS**

CORRUGATED RIB TYPE W/OUT CENTER BULB			
	W (in)	T (in)	LENGTH
	6	3/16	50ft/roll
	* 8	3/16	50ft/roll
	8	1/4	50ft/roll

CORRUGATED FIN TYPE W/OUT CENTER BULB			
	W (in)	T (in)	LENGTH
	6	3/16	50ft/roll
	8	3/8	50ft/roll

PLAIN DUMBBELL TYPE			
	W (in)	T (in)	LENGTH
	6	3/16	50ft/roll
	8	1/4	50ft/roll
	* 8	3/8	50ft/roll
	9	3/8	50ft/roll

EXTERNAL TYPE PLAIN			
	W (in)	T (in)	LENGTH
	9	1/4	50ft/roll

CORRUGATED RIB TYPE W/ CENTER BULB			
	W (in)	T (in)	LENGTH
	6	3/16	50ft/roll
	9	3/16	50ft/roll
	8	1/4	50ft/roll

CORRUGATED TAPERED W/ CENTER BULB FIN TYPE			
	W (in)	T (in)	LENGTH
	9	3/16	50ft/roll
	8	7/32	50ft/roll

DUMBBELL TYPE CENTERBULB			
	W (in)	T (in)	LENGTH
	6	3/8	50ft/roll
	8	1/4	50ft/roll
	8	3/16	50ft/roll
	8	3/8	50ft/roll
	9	3/8	50ft/roll

EXTERNAL TYPE WITH FIN			
	W (in)	T (in)	LENGTH
	9	1/4	50ft/roll

note: \* made to order

## MAIN APPLICATION



Water Purification Pools at the Water Works



Open Irrigation Canals



Mining Facilities



Reservoirs / Dam



Mansion & Buildings

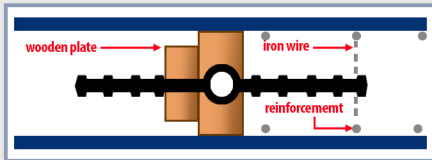


Chemical Factories

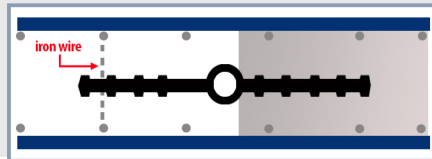
## GENERAL PROPERTIES

PROPERTY	TEST METHOD	VALUE
Tensile Strength	ASTM D412	12 MPa min
Lower Temperature Brittleness	ASTM D746	Passed
Stiffness in Flexure	ASTM D746	8.0 MPa min
Specific Gravity	ASTM D792	1.4 max.
Accelerated Extraction	US Corps of Engineers CRD C-572	Passed
Effect of Alkalines	CRD C-572	Passed
Water Absorption (48 hrs)	ASTM D570	0.5% max

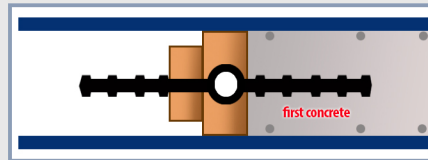
## INSTALLATION PROCEDURE



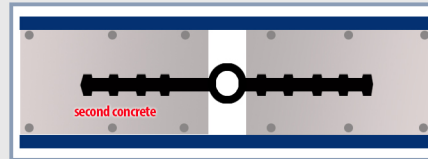
1. Clasp the aquaseal waterstop with a board. Fasten the waterstop with iron wire to prevent displacement during concrete pouring.



3. Remove the wooden plate mold when the first concrete is dry & support the waterstop with iron wire.

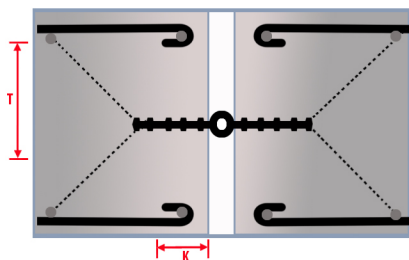


2. Pour the first concrete mix

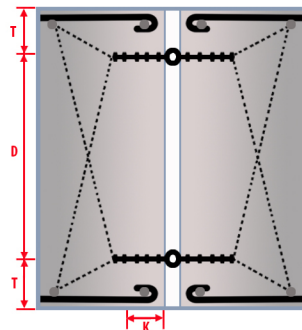


4. Pour the second concrete mix for waterstop with center bulb. It is recommended that the hollow bulb remain exposed in the gap between the first & second pour of concrete to ensure freedom of movement in case of expansion joints sealant may be used to fill the gap.

## ADDITIONAL INFORMATION



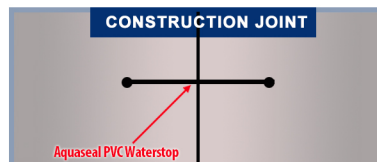
K - Keying depth of Aquaseal Waterstop  
T - Thickness of the covering  
 $K \leq T$



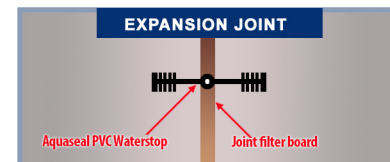
$K \leq T$   
 $D \geq K$

When PVC Waterstop is installed in the center of the concrete, the thickness of the covering concrete on each side of the waterstop should be at least as great as the keying depth of the waterstop in the concrete. When it is required to install two inserts of PVC waterstop due to the thickness of the concrete, the waterstop should be placed parallel to each other. The distance between the two waterstop inserts should be at least twice the keying depth of the waterstop.

Aquaseal Waterstop provides a flexible integrally cast water barrier for construction & expansion joints in water retaining & other structures where relatively low hydrostatic heads are encountered.



According to the thickness of the wall or slab to be cast the size of aggregate to be employed, a flat dumbbell section of Aquaseal Waterstops should be incorporated. Guidance in the choice of size should be obtained from the specification of Aquaseal Waterstop.



The centre bulb sections of Aquaseal Waterstop are specifically designed for use in joints which are either to take movement in expansion & contraction or to absorb a limited degree of deflection.