

WATERSTOP



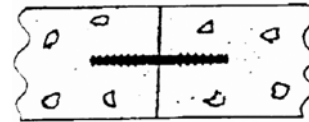
POUR IN PLACE

PVC

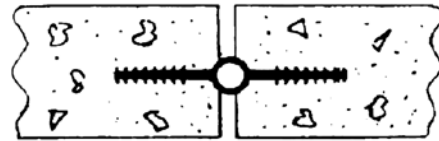
Our PVC Waterstop is made from new materials not reprocessed or reclaimed materials. Unaffected by normal range of concrete or concrete additives. Will not discolor concrete nor produce electrolytic action. Will perform over wide temperature ranges -35° to 175°F. PVC Waterstop is used where concrete is subject to hydrostatic pressure. Provides a positive seal to contain water above or below grade. PVC is most suitable for most common construction. For specific chemical resistance, please call. There are considerations when choosing a waterstop; hydrostatic pressure, wall thickness, type and size of joint, movement and chemical resistance. Dumbbell types and ribbed no center bulb styles are used where no joint movement is expected. Center bulb type can be used in both expansion

and construction joints subject to movement. Split Waterstop allows waterstop to be used easily in bulk head forming. For walls and slabs that are less than 9" thick, typically 4" to 6" waterstop is used. For thickness over 9", typically 9" is used. Waterstop irons must be used for all splicing requirements. See next page for splicing details. There are several important requirements for waterstop joints; Waterstop must be properly located and braced during concrete placement, center bulb on joints. Waterstop must be clean of foreign matter including concrete splatter. Must be properly vibrated and consolidated. Splices must be done right. Factory splices are available on request. Specifications: Corp of Engineers CRD C-572.

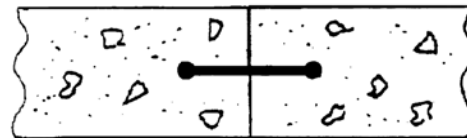
No.	Size	Description	Wt/Lf (lbs)	Lf/RL
GS 701	4"x3/16"	Ribbed Center Bulb Tapered	0.40	100
GS 702	4"x3/16"	Ribbed Center Bulb	0.74	50
GS 703	6"x3/16"	Ribbed Center Bulb Tapered	0.73	100
GS 705	6"x3/8"	Ribbed Center Bulb Tapered	1.19	50
GS 709	9"x3/8"	Ribbed Center Bulb Tapered	1.63	50
GS 721	4"x3/16"	Split Ribbed Center Bulb	0.50	100
GS 723	6"x3/16"	Split Ribbed Center Bulb	0.76	100
GS 724	6"x3/8"	Split Ribbed Center Bulb	1.54	50
GS 722	9"x3/8"	Split Ribbed Center Bulb Tapered	1.90	50
GS 732	6"x3/8"	Ribbed Center Bulb	1.60	50
GS 735	9"x3/8"	Ribbed Center Bulb	2.45	50
GS 741	4"x3/16"	Dumbbell	0.47	100
GS 746	6"x3/16"	Dumbbell	0.71	100
GS 747	6"x1/4"	Dumbbell	1.07	50
GS 748	6"x3/8"	Dumbbell	1.51	50
GS 751	9"x3/8"	Dumbbell	2.18	50
GS 759	6"x3/8"	Split Dumbbell	1.49	50
Many other sizes available.				



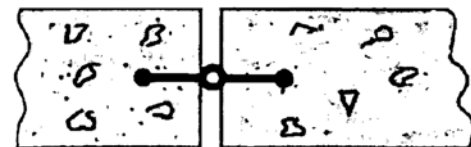
Ribbed Flat Waterstop



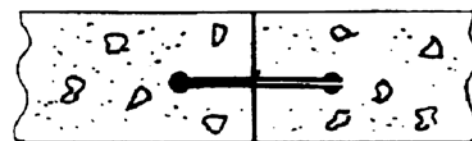
Ribbed with Center Bulb Waterstop



Dumbbell Waterstop



Dumbbell with Center Bulb Waterstop



Split Waterstop



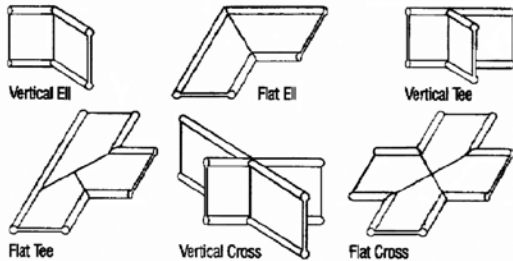
WATERSTOP

M A S C O . N E T

POUR IN PLACE

Factory Made Splices Available

- ◆ Eliminates intricate field splicing.
- ◆ Permits faster waterstop installations.
- ◆ Insures correct splicing in critical areas.
- ◆ Eliminates guesswork.



Chemical Resistant

TPE-Rubber Waterstops greatly expand the scope of conventional Waterstops because they do not degenerate under a host of aggressive chemicals, solvents and hot petroleum oils that would destroy PVC. TPE Rubber Waterstops are capable of withstanding joint movement. TPE Rubber Waterstops also have an added advantage of being joined with our regular Waterstop Splicing Irons. The intended use for TPE Rubber Waterstops is for primary and secondary containment facilities where compatibility, resistance and performance values determine the choice based on the specific application test data. TPE Rubber Waterstops are available in 4", 6" and 9" ribbed centerbulb design; which provides for movement within a joint and may be used for above or below grade applications.

No.	Size	Description	Wt/Lf (lbs)
JP 436	4"x3/16"	Ribbed Center Bulb	0.40
JP 636	6"x3/16"	Ribbed Center Bulb	0.70
JP 936	9"x3/16"	Ribbed Center Bulb	1.07



Hog Ring Plier

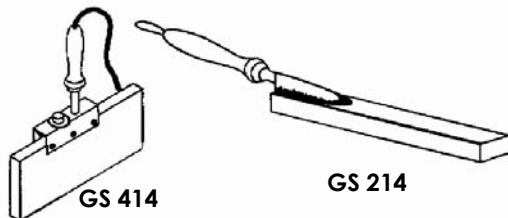
No.	Wt (lbs)
CT HRP	0.50



Hog Ring

7/8" opening hog rings should be placed at the outer most rib of waterstop 12" on center. Tie off to reinforced steel.

No.	Size
CT HR	#3, 25 lbs/carton (88 pieces/lbs approx)



Heating Iron

For PVC Waterstop, cut ends square and hold both sides against iron to 350°- 380° F. Do not allow the iron to reach 400° F, PVC will degrade and turn dark color. When about 1/8" to 1/4" of material becomes soft and gummy, remove the iron and press ends firmly together. Hold tightly and allow material to cool before applying stress. All center bulb waterstop must be aligned. For TPE Waterstop preheat iron to 380° to 410° F. 115 volt, 6 amps, 6' cord.

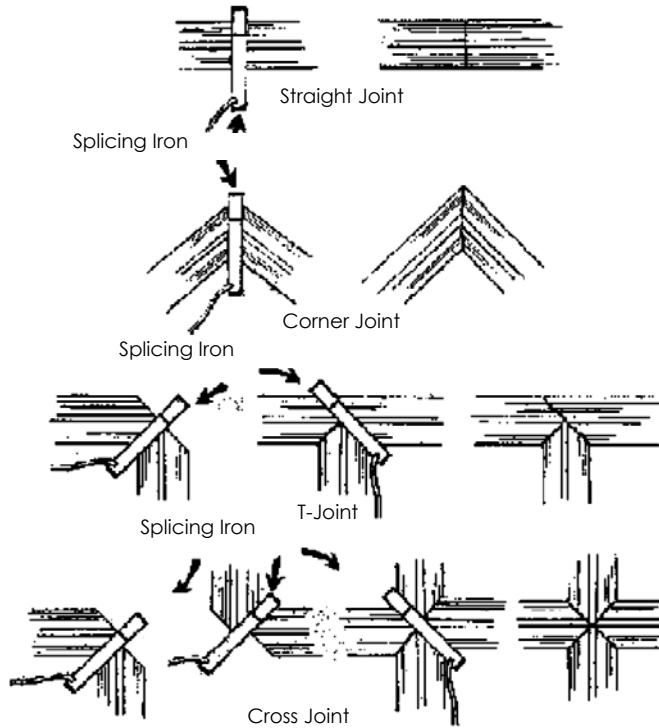
No.	Size	Wt (lbs)
GS 214	2" x 14"	4.00
GS 214C	2" x 14" Teflon Cover	0.17
GS 414	4" x 14"	8.00
GS 414C	4" x 14" Teflon Cover	0.34

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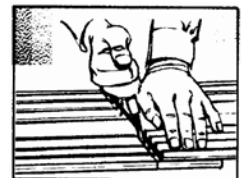
How to make most common spliced sections



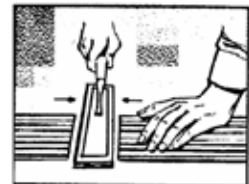
Splicing Technique

A warm-up time of approximately 5 to 10 minutes is necessary to bring the splicing iron to the required 350°-380°F. The entire splicing operation involves three simple steps. Do not allow the iron to reach 400°F. PVC will degrade and turn dark. For TPE Waterstop, preheat iron 380° to 410°F.

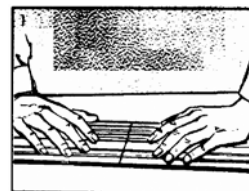
Overlap the two pieces of waterstop to be sliced and then cut with sharp knife or saw. This assures matching edges. **IMPORTANT: Edges must be cut straight.**



Press the straight cut against the sides of the pre-heated splicing iron until the PVC melts, an 1/8" to 1/4", the material becomes soft and gummy. This takes approximately 3-5 minutes.



Quickly remove the splicing iron and press the melted edges together to form a neat butt-splice. The joined sections should not be stretched or moved for 1 minute. To cool the material quickly, use cold water. Typical spliced sections and the manner of accomplishing them, are shown above.



WATERSTOP

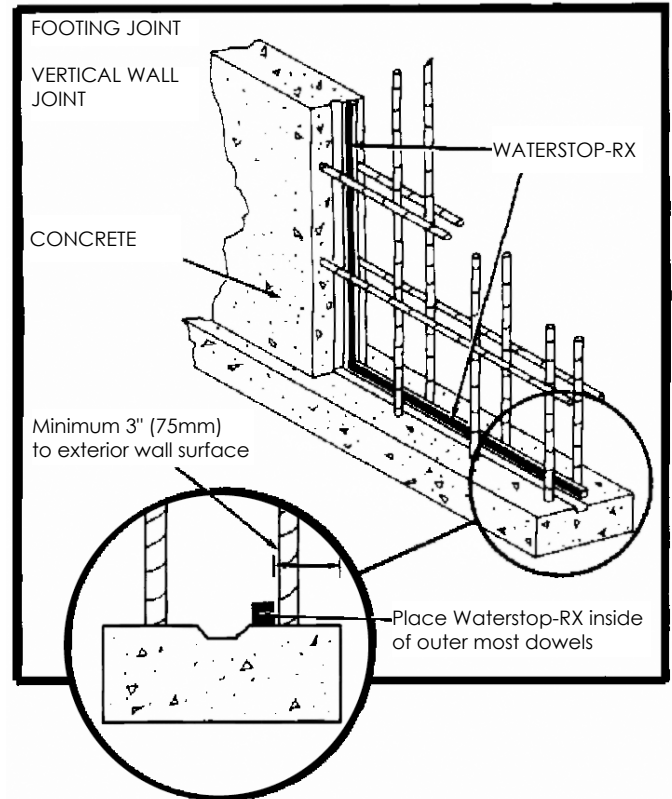
POUR IN PLACE

Bentonite

Waterstop RX® is a concrete construction joint waterstop that provides a permanent seal by expanding upon contact with water. Waterstop RX is an active sodium bentonite based waterstop that is designed to replace conventional passive PVC dumbbell waterstops, thus eliminating the requirement of split-forming and product seam welding.

Waterstop RX® is manufactured in lightweight, flexible coils that can be installed in both hot and cold weather. The product is adhered to concrete, steel, and PVC (pipes) with Volclay® WB Adhesive; at or exceeding the required minimum distance from the exterior concrete surface.

The key to Waterstop RX® is sodium bentonite. Sodium bentonite swells when in contact with water, forming an impermeable barrier. This swelling property allows Waterstop RX to form a permanent pressure seal within the concrete joint, thus eliminating water migration over or along the waterstop. In addition to forming a positive pressure seal, the products expansion properties allow it to seal small cracks and void areas.



No.	Size	Concrete Thickness	Concrete Cover	Qty/Ctn	Wt/Ctn (lbs)
AC RX101T	1-1/4"x 1/2"	8" Minimum	3"	120 Lf	43.0
AC RX102	3/4"x 3/8"	5" to 8" Minimum	2"	200 Lf	34.0
AC RXA	1 Gal. Adhesive	400-600 lf/gal. approx.		4	12.0/gal.

POLY SCRIM REINFORCEMENT



RX 101T



RX 102

(Not to Scale)

WATERSTOP



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Hydrophilic

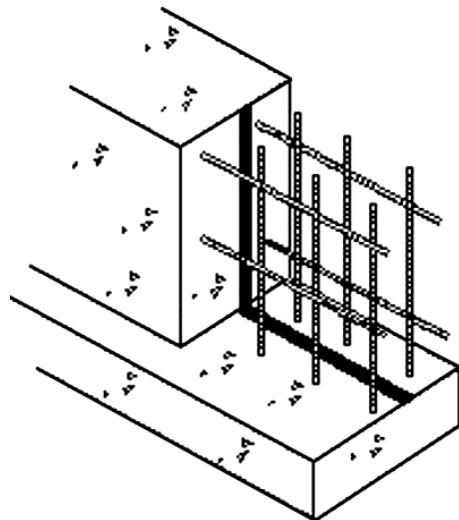
Hydrophilic waterstop is a chemically modified natural rubber. This patented process chemically binds hydrophilic agent to the rubber. This permits the seal to undergo controlled expansion when in the presence of moisture. This expansion capability provides a "double locking" waterstop. One from rubber's natural resilience and one from the expansion. Any void within the limits of the products volume expansion coefficient, will be filled by the expansion of the seal when it is hydrated. Excellent durability and resistance to chemicals. It can perform in a wide range of solutions such as salt water and cement water. The material does not contain any toxic substance or heavy metals and is environmentally safe.

MC-2010MN

Pre-formed rubber strip with stainless steel net. Used to replace conventional PVC waterstops in construction joints and control joints. Will withstand high hydrostatic head and intermittent exposure to rain or water. Expands up to 2 times by volume. Embedded wire mesh promotes vertical expansion vs longitudinal. Attach with screws, nails, glue, P-201 (may need nails or screws with P-201). Can be used on rough concrete with P-201. NSF certified for potable water.

Minimum Use Conditions:

- Wall/slab thickness greater than 9" (10" recommended).
- Minimum 4" concrete coverage - 6.5 ft. wall height (check with Masons for variations).
- Between double row of rebar.
- Below grade or water present either side of wall/slab joint.



No.	Size	Qty/Ctn	Wt/Ctn (lbs)
ADE MC2010MN	20 mm x 10 mm (.78" x .39")	82 lf	17.50

MC-2005M

Pre-formed rubber strip with stainless steel net. Use between joints or structural elements where expected joint opening does not exceed 0.05". Will withstand intermittent exposure to rain or water. Expands up to 2 times by volume. Embedded wire mesh promotes vertical expansion vs longitudinal. Attach with glue or P-201 (may need screws with P-201). Can be used on rough concrete with P-201.

Minimum Use Conditions:

- Wall/slab thickness greater than 9" and less than 24".
- Minimum 4" concrete coverage - 6.5 ft. wall height (check with Masons for variations).
- Between double row of rebar.
- Below grade or water present either side of wall/slab joint.
- Hydrostatic head less than 50 ft.

No.	Size	Qty/Ctn	Wt/Ctn (lbs)
ADE MC2005M	20 mm x 5 mm (.79" x .20")	165lf	35.00

Contact Adhesive

2141 Adhesive: is easy-brushing, general purpose rubber adhesive with excellent water resistance. Good for concrete, steel, neoprene, butyl and natural rubber. Surface must be clean, dry and dust free. Apply adhesive to both surfaces and allow to initially dry, typically 5-10 minutes. Press surfaces together. Bond life is up to 15 minutes. Coverage is 82 lf/qt.

No.	Size	Wt (lbs)
ADE Q2141	1Qt	2.50



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KM-String

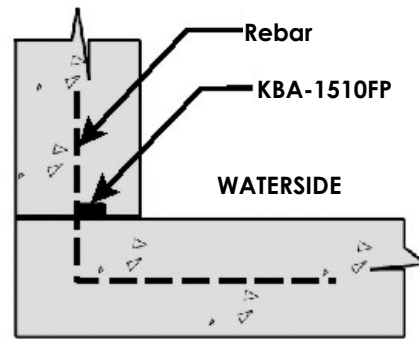
Pre-formed string. Used to waterproof sheet piles and cracks where running water is present. String size should be 1.2 times the width of the gap. Size approximately 0.2" ~ 1.6".

KBA-1510FP

Pre-formed rubber strip. Used in non-moving joint where less than 4" of concrete coverage is available. Can be used outside of rebar. Low expansion pressure can be used with limited concrete coverage (2"). Expands approximately 25% by volume. Attach with glue or P-201 (may need screws with P-201). Can be used in containment dikes. Size approximately 0.6" x 0.4".

Minimum Use Conditions:

- Wall/thickness greater than 4".
- Minimum 2" concrete coverage.
- Can be used with single row of rebar or double row of rebar.
- Below grade or water present either side of wall/slab joint.
- Hydrostatic head less than 25 ft.



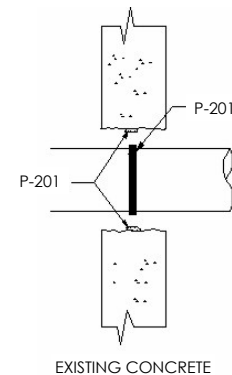
No.	Size	Qty/Ctn	Wt (lbs)
ADE KBA1510FP	15mm x 10mm (.59" x .39")	82 lf	8.0

P-201 Cartridge

A single component hydrophilic compound used in water and repair applications. It can be placed on damp or uneven surfaces and functions in a wide range of temperature ground water conditions. P-201 is used in pipe penetrations, preventing water penetration in sheet piles, pre-cast concrete joints, and a variety of joint and crack repair applications. P-201 is used in conjunction with formed Adeka waterstops whenever damp or rough surfaces are encountered. Expansion rate of P-201 is 80%. 6 per case. See technical bulletin for more information.

Minimum Use Conditions:

- Wall/slab thickness greater than 6".
- Pipe diameter greater than 2" and less than 24" (check with Masons for exceptions).
- Typical bead size 3/8" x 1/2".
- Will withstand high hydrostatic head.
- Must be cured before placing concrete.
- Curing time dependent upon temperature and humidity.
- Minimum 2-1/2" concrete coverage.



No.	Size	Wt (lbs)
ADE P201	11 fl oz. cartridge	1.20

A-30

A-30 is a liquid rubber has a high expansion rate when it comes in contact with water. Used to fill the gaps of interlocking sheet pile. See technical bulletin for more information.

No.	Size	Wt (lbs)
ADE A30	4.0 Gal. pail	50.0

