



Durajoint® Waterstops Popular Project Profiles Submittal Package



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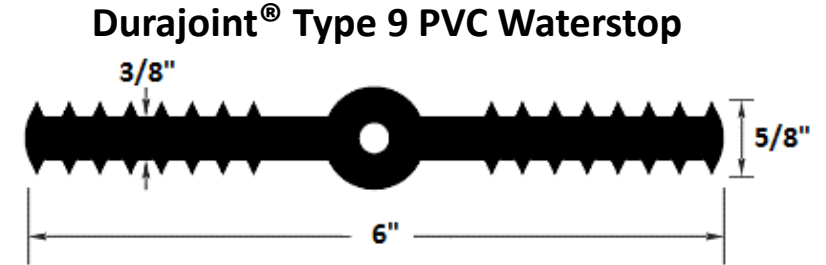
Waterstop • Forming Accessories • Rebar Supports • Mesh Supports • Prestressed Accessories

DCA CONSTRUCTION PRODUCTS, LLC
10421 Industrial Drive • Garrettsville, OH 44231 • (888) 833-8308 (Toll-Free) or (330) 527-4308 • Fax: (330) 527-2440



Suggested Short Form Specification:

All waterstop shall be American owned and manufactured Durajoint® PVC Waterstop. It shall be an extrusion of virgin polyvinyl chloride and additional resins, plasticizers and stabilizers which meet or exceed the requirements of the Corps of Engineers (USACE) specifications. Types and dimensions of waterstop shall be those shown in the project specifications.



Physical Properties - PVC	Test Method	USACE Required Values	Competitor Test Values	Durajoint Test Values
Tensile Strength	ASTM D638	Not less than 1750	2000 psi	2395
Ultimate Elongation	ASTM D638	Not less than 300%	350%	374% min.
Specific Gravity	ASTM D792	---	1.38	1.36
Stiffness in Flexure	ASTM D747	Not less than 600 psi	700 psi	2374 psi min.
Tear Resistance	ASTM D624	---	300 lbs./in.	310 lbs./in. min.
Ozone Resistance	ASTM D1149	---	N/A	Passed
Low Temperature Brittleness	ASTM D746	Low Temp Pass at -35°F/-37°C	Passed	Passed
Hardness Shore A15	ASTM D2240	---	79 ± 3	76
Water Absorption	ASTM D570	---	0.15%	0.11%
US Army Corps of Engineers	---	---	---	---
Accelerated Extraction	CRD-C 572	---	---	---
▪ Ultimate Elongation	Par 7.1	Not less than 280%	300%	383%
▪ Tensile Strength	Par 7.1	Not less than 1500 psi	1600 psi	1808 psi min.
Effects of Alkali	CRD-C 572	---	---	---
▪ Loss Weight	Par 7.2	No less than .10 weight loss	-0.10	No Change
▪ Gain Weight	Par 7.2	No more than .25 weight gain	+0.25	0.17%
▪ Hardness Change	---	Not more than +/-5 change	+/-5 Points	+5

Width: 6"

Thickness: 3/8"

Centerbulb OD: 7/8"

Head Pressure: 150+ (ft.)

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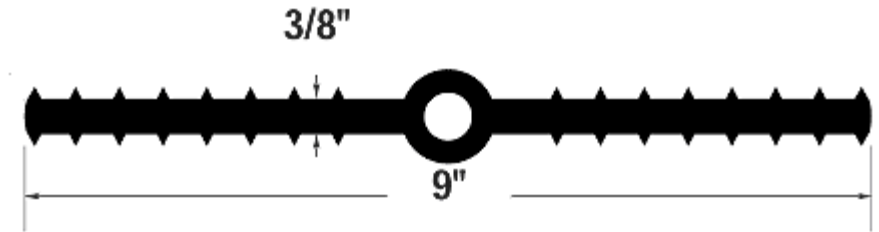
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Suggested Short Form Specification:

All waterstop shall be American owned and manufactured Durajoint® PVC Waterstop. It shall be an extrusion of virgin polyvinyl chloride and additional resins, plasticizers and stabilizers which meet or exceed the requirements of the Corps of Engineers (USACE) specifications. Types and dimensions of waterstop shall be those shown in the project specifications.

Durajoint® Type 10 PVC Waterstop



Width: 9"

Thickness: 3/8"

Centerbulb OD: 1"

Head Pressure: 150+ (ft.)

Physical Properties - PVC	Test Method	USACE Required Values	Competitor Test Values	Durajoint Test Values
Tensile Strength	ASTM D638	Not less than 1750	2000 psi	2395
Ultimate Elongation	ASTM D638	Not less than 300%	350%	374% min.
Specific Gravity	ASTM D792	---	1.38	1.36
Stiffness in Flexure	ASTM D747	Not less than 600 psi	700 psi	2374 psi min.
Tear Resistance	ASTM D624	---	300 lbs./in.	310 lbs./in. min.
Ozone Resistance	ASTM D1149	---	N/A	Passed
Low Temperature Brittleness	ASTM D746	Low Temp Pass at -35°F/-37°C	Passed	Passed
Hardness Shore A15	ASTM D2240	---	79 ± 3	76
Water Absorption	ASTM D570	---	0.15%	0.11%
US Army Corps of Engineers	---	---	---	---
Accelerated Extraction	CRD-C 572	---	---	---
▪ Ultimate Elongation	Par 7.1	Not less than 280%	300%	383%
▪ Tensile Strength	Par 7.1	Not less than 1500 psi	1600 psi	1808 psi min.
Effects of Alkali	CRD-C 572	---	---	---
▪ Loss Weight	Par 7.2	No less than .10 weight loss	-0.10	No Change
▪ Gain Weight	Par 7.2	No more than .25 weight gain	+0.25	0.17%
▪ Hardness Change	---	Not more than +/-5 change	+/-5 Points	+5

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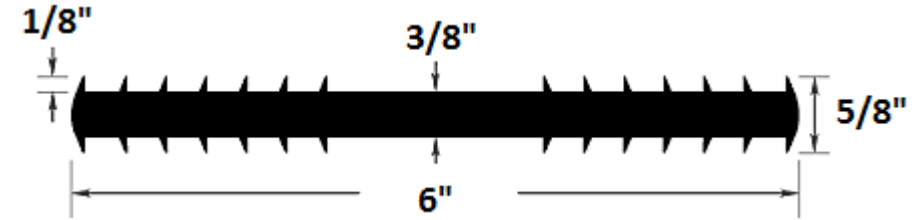
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Durajoint® Type 11 PVC Waterstop



Width: 6"

Thickness: 3/8"

Centerbulb OD: N/A

Head Pressure: 150+ (ft.)

Physical Properties - PVC	Test Method	USACE Required Values	Competitor Test Values	Durajoint Test Values
Tensile Strength	ASTM D638	Not less than 1750	2000 psi	2395
Ultimate Elongation	ASTM D638	Not less than 300%	350%	374% min.
Specific Gravity	ASTM D792	---	1.38	1.36
Stiffness in Flexure	ASTM D747	Not less than 600 psi	700 psi	2374 psi min.
Tear Resistance	ASTM D624	---	300 lbs./in.	310 lbs./in. min.
Ozone Resistance	ASTM D1149	---	N/A	Passed
Low Temperature Brittleness	ASTM D746	Low Temp Pass at -35°F/-37°C	Passed	Passed
Hardness Shore A15	ASTM D2240	---	79 ± 3	76
Water Absorption	ASTM D570	---	0.15%	0.11%
US Army Corps of Engineers	---	---	---	---
Accelerated Extraction	CRD-C 572	---	---	---
▪ Ultimate Elongation	Par 7.1	Not less than 280%	300%	383%
▪ Tensile Strength	Par 7.1	Not less than 1500 psi	1600 psi	1808 psi min.
Effects of Alkali	CRD-C 572	---	---	---
▪ Loss Weight	Par 7.2	No less than .10 weight loss	-0.10	No Change
▪ Gain Weight	Par 7.2	No more than .25 weight gain	+0.25	0.17%
▪ Hardness Change	---	Not more than +/-5 change	+/-5 Points	+5

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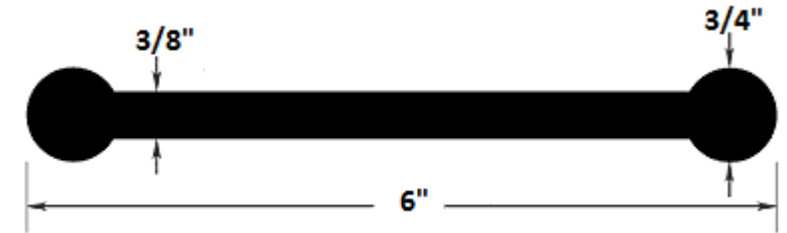
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Durajoint® Type DB2 PVC Waterstop



Physical Properties - PVC	Test Method	USACE Required Values	Competitor Test Values	Durajoint Test Values
Tensile Strength	ASTM D638	Not less than 1750	2000 psi	2395
Ultimate Elongation	ASTM D638	Not less than 300%	350%	374% min.
Specific Gravity	ASTM D792	---	1.38	1.36
Stiffness in Flexure	ASTM D747	Not less than 600 psi	700 psi	2374 psi min.
Tear Resistance	ASTM D624	---	300 lbs./in.	310 lbs./in. min.
Ozone Resistance	ASTM D1149	---	N/A	Passed
Low Temperature Brittleness	ASTM D746	Low Temp Pass at -35°F/-37°C	Passed	Passed
Hardness Shore A15	ASTM D2240	---	79 ± 3	76
Water Absorption	ASTM D570	---	0.15%	0.11%
US Army Corps of Engineers	---	---	---	---
Accelerated Extraction	CRD-C 572	---	---	---
▪ Ultimate Elongation	Par 7.1	Not less than 280%	300%	383%
▪ Tensile Strength	Par 7.1	Not less than 1500 psi	1600 psi	1808 psi min.
Effects of Alkali	CRD-C 572	---	---	---
▪ Loss Weight	Par 7.2	No less than .10 weight loss	-0.10	No Change
▪ Gain Weight	Par 7.2	No more than .25 weight gain	+0.25	0.17%
▪ Hardness Change	---	Not more than +/-5 change	+/-5 Points	+5

Width: 6"

Thickness: 3/8"

Centerbulb OD: N/A

Head Pressure: 100+ (ft.)

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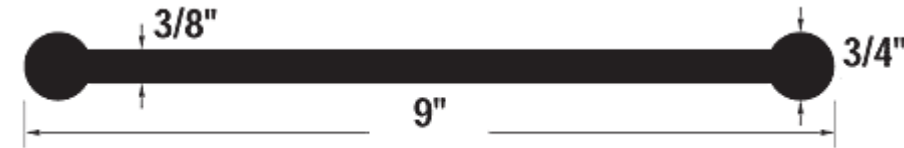
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Durajoint® Type DB3 PVC Waterstop



Physical Properties - PVC	Test Method	USACE Required Values	Competitor Test Values	Durajoint Test Values
Tensile Strength	ASTM D638	Not less than 1750	2000 psi	2395
Ultimate Elongation	ASTM D638	Not less than 300%	350%	374% min.
Specific Gravity	ASTM D792	---	1.38	1.36
Stiffness in Flexure	ASTM D747	Not less than 600 psi	700 psi	2374 psi min.
Tear Resistance	ASTM D624	---	300 lbs./in.	310 lbs./in. min.
Ozone Resistance	ASTM D1149	---	N/A	Passed
Low Temperature Brittleness	ASTM D746	Low Temp Pass at -35°F/-37°C	Passed	Passed
Hardness Shore A15	ASTM D2240	---	79 ± 3	76
Water Absorption	ASTM D570	---	0.15%	0.11%
US Army Corps of Engineers	---	---	---	---
Accelerated Extraction	CRD-C 572	---	---	---
▪ Ultimate Elongation	Par 7.1	Not less than 280%	300%	383%
▪ Tensile Strength	Par 7.1	Not less than 1500 psi	1600 psi	1808 psi min.
Effects of Alkali	CRD-C 572	---	---	---
▪ Loss Weight	Par 7.2	No less than .10 weight loss	-0.10	No Change
▪ Gain Weight	Par 7.2	No more than .25 weight gain	+0.25	0.17%
▪ Hardness Change	---	Not more than +/-5 change	+/-5 Points	+5

Width: 9"

Thickness: 3/8"

Centerbulb OD: N/A

Head Pressure: 100+ (ft.)

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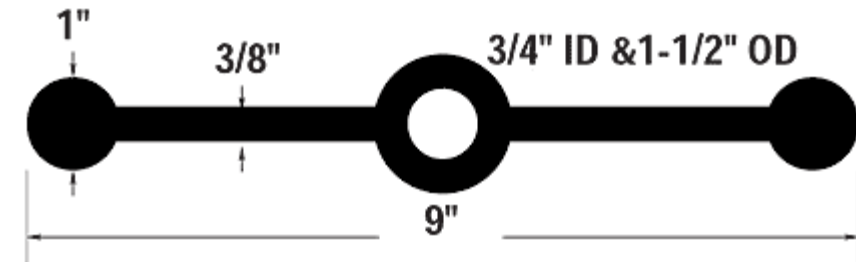
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Durajoint® Type DB6 PVC Waterstop



Physical Properties - PVC	Test Method	USACE Required Values	Competitor Test Values	Durajoint Test Values
Tensile Strength	ASTM D638	Not less than 1750	2000 psi	2395
Ultimate Elongation	ASTM D638	Not less than 300%	350%	374% min.
Specific Gravity	ASTM D792	---	1.38	1.36
Stiffness in Flexure	ASTM D747	Not less than 600 psi	700 psi	2374 psi min.
Tear Resistance	ASTM D624	---	300 lbs./in.	310 lbs./in. min.
Ozone Resistance	ASTM D1149	---	N/A	Passed
Low Temperature Brittleness	ASTM D746	Low Temp Pass at -35°F/-37°C	Passed	Passed
Hardness Shore A15	ASTM D2240	---	79 ± 3	76
Water Absorption	ASTM D570	---	0.15%	0.11%
US Army Corps of Engineers	---	---	---	---
Accelerated Extraction	CRD-C 572	---	---	---
▪ Ultimate Elongation	Par 7.1	Not less than 280%	300%	383%
▪ Tensile Strength	Par 7.1	Not less than 1500 psi	1600 psi	1808 psi min.
Effects of Alkali	CRD-C 572	---	---	---
▪ Loss Weight	Par 7.2	No less than .10 weight loss	-0.10	No Change
▪ Gain Weight	Par 7.2	No more than .25 weight gain	+0.25	0.17%
▪ Hardness Change	---	Not more than +/-5 change	+/-5 Points	+5

Width: 9"

Thickness: 3/8"

Centerbulb OD: 1-1/2"

Head Pressure: 150+ (ft.)

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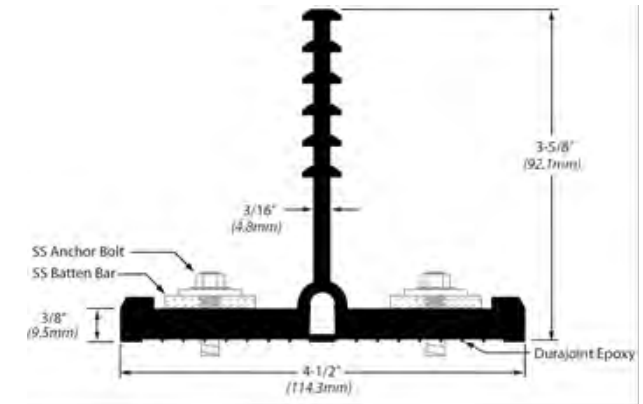


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Ultimate Elongation	ASTM D638	Not less than 300%	350%	374% min.
Specific Gravity	ASTM D792	---	1.38	1.36
Stiffness in Flexure	ASTM D747	Not less than 600 psi	700 psi	2374 psi min.
Tear Resistance	ASTM D624	---	300 lbs./in.	310 lbs./in. min.
Ozone Resistance	ASTM D1149	---	N/A	Passed
Low Temperature Brittleness	ASTM D746	Low Temp Pass at -35°F/-37°C	Passed	Passed
Hardness Shore A15	ASTM D2240	---	79 ± 3	76
Water Absorption	ASTM D570	---	0.15%	0.11%
US Army Corps of Engineers	---	---	---	---
Accelerated Extraction	CRD-C 572	---	---	---
▪ Ultimate Elongation	Par 7.1	Not less than 280%	300%	383%
▪ Tensile Strength	Par 7.1	Not less than 1500 psi	1600 psi	1808 psi min.
Effects of Alkali	CRD-C 572	---	---	---
▪ Loss Weight	Par 7.2	No less than .10 weight loss	-0.10	No Change
▪ Gain Weight	Par 7.2	No more than .25 weight gain	+0.25	0.17%
▪ Hardness Change	---	Not more than +/-5 change	+/-5 Points	+5

**Durajoint® Type 12RT
Retrofit PVC Waterstop Kit**



Width: 4-1/2"

Thickness: 3/16"

Height: 3-5/8"

Includes: Batten Bars and Anchors

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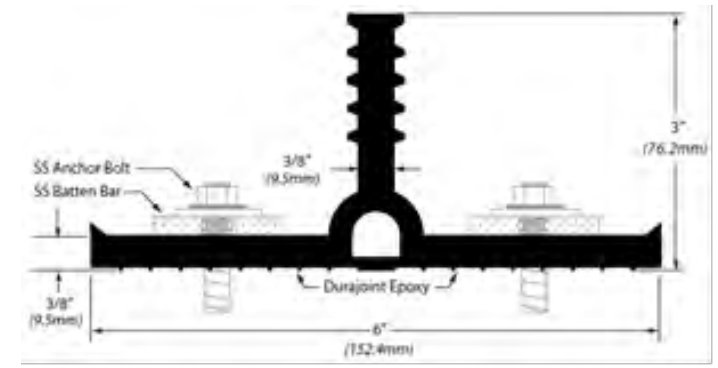
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Suggested Short Form Specification:

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**Durajoint® Type 18RT
Retrofit PVC Waterstop Kit**



Physical Properties - PVC	Test Method	USACE Required Values	Competitor Test Values	Durajoint Test Values
Tensile Strength	ASTM D638	Not less than 1750	2000 psi	2395
Ultimate Elongation	ASTM D638	Not less than 300%	350%	374% min.
Specific Gravity	ASTM D792	---	1.38	1.36
Stiffness in Flexure	ASTM D747	Not less than 600 psi	700 psi	2374 psi min.
Tear Resistance	ASTM D624	---	300 lbs./in.	310 lbs./in. min.
Ozone Resistance	ASTM D1149	---	N/A	Passed
Low Temperature Brittleness	ASTM D746	Low Temp Pass at -35°F/-37°C	Passed	Passed
Hardness Shore A15	ASTM D2240	---	79 ± 3	76
Water Absorption	ASTM D570	---	0.15%	0.11%
US Army Corps of Engineers	---	---	---	---
Accelerated Extraction	CRD-C 572	---	---	---
▪ Ultimate Elongation	Par 7.1	Not less than 280%	300%	383%
▪ Tensile Strength	Par 7.1	Not less than 1500 psi	1600 psi	1808 psi min.
Effects of Alkali	CRD-C 572	---	---	---
▪ Loss Weight	Par 7.2	No less than .10 weight loss	-0.10	No Change
▪ Gain Weight	Par 7.2	No more than .25 weight gain	+0.25	0.17%
▪ Hardness Change	---	Not more than +/-5 change	+/-5 Points	+5

Width: 6"

Thickness: 3/8"

Height: 3"

Includes: Batten Bars and Anchors

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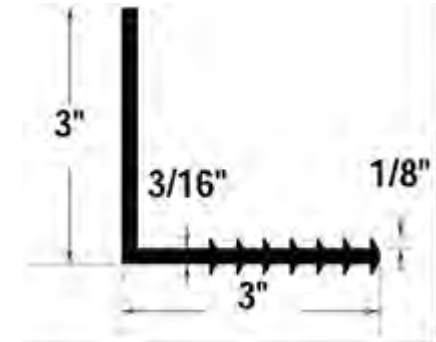
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**Durajoint® Type 29RT
Retrofit PVC Waterstop Kit**

Suggested Short Form Specification:

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Width: 3"

Thickness: 3/16"

Height: 3"

Includes: Batten Bars and Anchors

Physical Properties - PVC	Test Method	USACE Required Values	Competitor Test Values	Durajoint Test Values
Tensile Strength	ASTM D638	Not less than 1750	2000 psi	2395
Ultimate Elongation	ASTM D638	Not less than 300%	350%	374% min.
Specific Gravity	ASTM D792	---	1.38	1.36
Stiffness in Flexure	ASTM D747	Not less than 600 psi	700 psi	2374 psi min.
Tear Resistance	ASTM D624	---	300 lbs./in.	310 lbs./in. min.
Ozone Resistance	ASTM D1149	---	N/A	Passed
Low Temperature Brittleness	ASTM D746	Low Temp Pass at -35°F/-37°C	Passed	Passed
Hardness Shore A15	ASTM D2240	---	79 ± 3	76
Water Absorption	ASTM D570	---	0.15%	0.11%
US Army Corps of Engineers	---	---	---	---
Accelerated Extraction	CRD-C 572	---	---	---
▪ Ultimate Elongation	Par 7.1	Not less than 280%	300%	383%
▪ Tensile Strength	Par 7.1	Not less than 1500 psi	1600 psi	1808 psi min.
Effects of Alkali	CRD-C 572	---	---	---
▪ Loss Weight	Par 7.2	No less than .10 weight loss	-0.10	No Change
▪ Gain Weight	Par 7.2	No more than .25 weight gain	+0.25	0.17%
▪ Hardness Change	---	Not more than +/-5 change	+/-5 Points	+5

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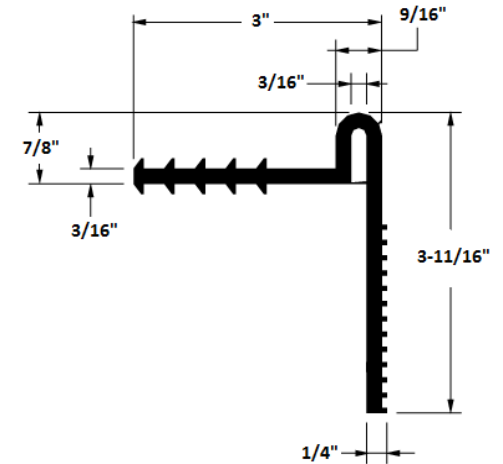


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Hardness Shore A15	ASTM D2240	---	79 ± 3	76
Water Absorption	ASTM D570	---	0.15%	0.11%
US Army Corps of Engineers	---	---	---	---
Accelerated Extraction	CRD-C 572	---	---	---
▪ Ultimate Elongation	Par 7.1	Not less than 280%	300%	383%
▪ Tensile Strength	Par 7.1	Not less than 1500 psi	1600 psi	1808 psi min.
Effects of Alkali	CRD-C 572	---	---	---
▪ Loss Weight	Par 7.2	No less than .10 weight loss	-0.10	No Change
▪ Gain Weight	Par 7.2	No more than .25 weight gain	+0.25	0.17%
▪ Hardness Change	---	Not more than +/-5 change	+/-5 Points	+5

**Durajoint® Type 29A-RT
Retrofit PVC Waterstop Kit**



Width: 3-11/16"

Thickness: 3/16"

Height: 3"

Includes: Batten Bars and Anchors

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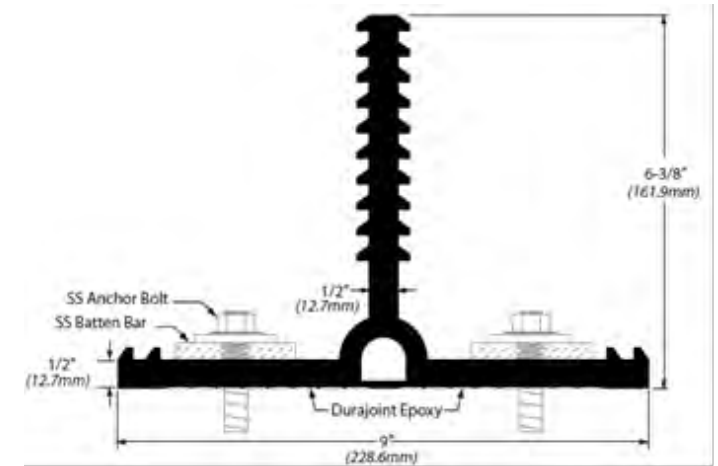


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Ozone Resistance	ASTM D1149	---	N/A	Passed
Low Temperature Brittleness	ASTM D746	Low Temp Pass at -35°F/-37°C	Passed	Passed
Hardness Shore A15	ASTM D2240	---	79 ± 3	76
Water Absorption	ASTM D570	---	0.15%	0.11%
US Army Corps of Engineers	---	---	---	---
Accelerated Extraction	CRD-C 572	---	---	---
▪ Ultimate Elongation	Par 7.1	Not less than 280%	300%	383%
▪ Tensile Strength	Par 7.1	Not less than 1500 psi	1600 psi	1808 psi min.
Effects of Alkali	CRD-C 572	---	---	---
▪ Loss Weight	Par 7.2	No less than .10 weight loss	-0.10	No Change
▪ Gain Weight	Par 7.2	No more than .25 weight gain	+0.25	0.17%
▪ Hardness Change	---	Not more than +/-5 change	+/-5 Points	+5

**Durajoint® Type 36RT
Retrofit PVC Waterstop Kit**



Width: 9"

Thickness: 1/2"

Height: 6-3/8"

Includes: Batten Bars and Anchors

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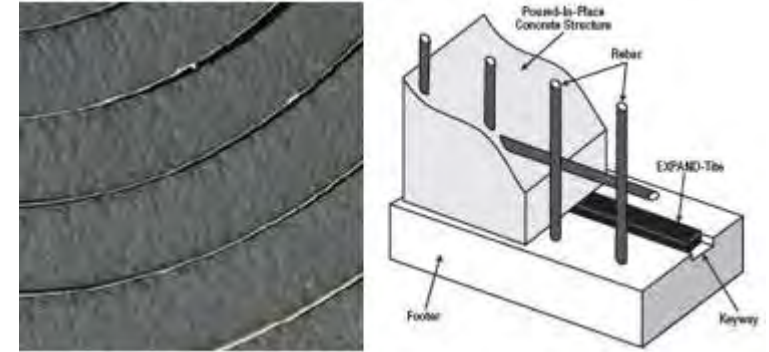
Applications:

Precast Concrete Structures of all types, Cast-In-Place Joints, Foundations, Slabs, Retaining Walls, Storage Tanks, Wall or Floor Penetrations. Not intended for use on expansion joints or joints that move.

Expand-Tite is a flexible concrete construction joint waterstop that is easy to install in non-moving joints. Expand-tite expands in a controlled fashion when exposed to moisture and will not expand past the point where the hydration process reduces the effectiveness of the waterstop. When installing Expand-Tite the concrete surface needs to be dry and free of contamination. Expand-Tite Primer is recommended for use and is available in a one-gallon pail (brush on) or a 10.1 oz cartridge.

Note: A minimum of two inches of concrete cover must separate Expand-Tite from the surface of the concrete. A keyway is not required.

**Durajoint® Expand-Tite®
Bentonite Hydrophilic Waterstop**



Physical Properties		
Description	Test Method	EXPAND-Tite Waterstop Values
Color:		BLACK
Specific Gravity:	ASTM D71	1.35 ± 5
Hydrocarbon Content:	ASTM D-4	47% min.
Volatile Matter:	ASTM D-6	1% max.
Penetration, cone @ 77°F, 150gm; 5 sec:	ASTM D-217	40 ± 5
Application Temp:	-10°F to 125°F (-22°C to 52°C)	
Service Temp. Range:	-30°F to 180°F (-34°C to 82°C)	

EXPAND-Tite 100 (EXP100)

3/4" x 1" x 16'8" (6 rolls/carton)
100 linear ft./carton

EXPAND-Tite 150 (EXP150)

1/2" x 1.25" x 16'8" (6 rolls/carton)
100 linear ft./carton

EXPAND-Tite 200 (EXP200)

3/8" x 3/4" x 25' (8 rolls/carton)
200 linear ft./carton

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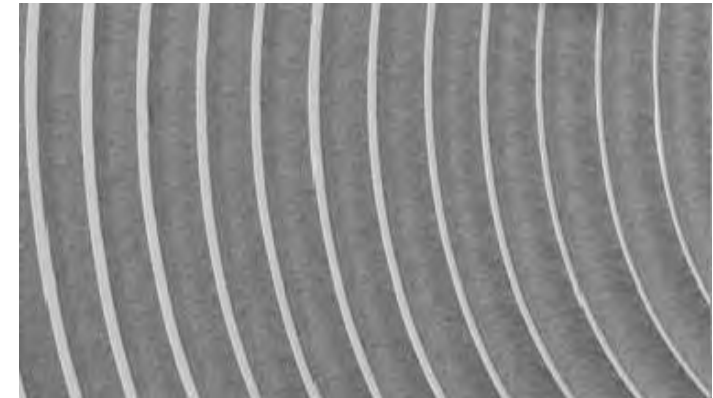


Applications:

Precast Concrete Structures of all types, Cast-In-Place Joints, Foundations, Slabs, Retaining Walls, Storage Tanks, Wall or Floor Penetrations. Not intended for use on expansion joints or joints that move.

Dura-Tite Does NOT contain Bentonite.

**Durajoint® Dura-Tite®
Chloroprene Rubber Hydrophilic Waterstop**



Physical Properties		
Description	Test Method	DURA-Tite Waterstop Values
Color:		Concrete Gray
Specific Gravity:	ASTM D71	1.25 - 1.30
Elongation:		400%
Hardness:	ASTM D217	40
Application Temp. Range:		-10°F to 125°F (-22°C to 52°C)
Service Temp. Range:		-50°F to 200°F (-45°C to 93°C)
Performance Characteristics		
Swelling (freshwater):		400%
Hydrostatic Pressure Resistance:		
Standard Precast Concrete Joint:		30 psi (2 kPa)
Precast Concrete Tunnel Segments:		75 psi (5 kPa)
Cast-In-Place Construction Joint:		100 psi (6.8 kPa)

DURA-Tite 2010 (DT2010)

(Hydrotite CJ-1020-2K)
20mm x 8mm x 12M
(8 – 39.372 LF rolls/carton)

DURA-Tite 3030 (DT3030)

(Hydrotite CJ-3030-M)
30mm x 30mm x 3.2M
(5 – 10.50 LF rolls/carton)

DURA-Tite 2013 (DT2013)

19mm x 12.7mm x 5M
(8 – 16.33 LF rolls/carton)

DURA-Tite 1100 (DT1100)

11mm x 11mm x 6.4M
(12 – 21 LF rolls/carton)

DURA-Tite 3010 (DT3010)

(Hydrotite CJ-1030-4M)
30mm x 10mm x 10M
(5 – 34 LF rolls/carton)

DURA-Tite 0725 (DT0725)

(Hydrotite CJ-0725-3K)
7mm x 25mm x 10M
(6 – 34 LF rolls/carton)

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Applications:

Precast Concrete Structures of all types, Cast-In-Place Joints, Foundations, Slabs, Retaining Walls, Storage Tanks, Wall or Floor Penetrations, Utility/Burial Vaults. Not intended for use on expansion joints or joints that move.

Seal-Tite Waterstops Meet/Exceed: Federal Specification SSS-210, AASFTO M-198B, ASTM C-990-91

Description	Test Method	Required Value	Synko-Flex	SEAL-Tite Waterstop
Appearance	-	-	Black Strips	Black Strips
Ductility	ASTM D113	5.0 min	5	10
Flash Point	ASTM D92	350°F min.	600°F	450°F
Hydrocarbon Content	ASTM D4	50% min.	50% - 70%	50% - 70%
Penetration	ASTM D217	50 - 100	50 - 120	55 - 60
Hydrostatic Head Resistance	ASTM C-990	10 psi/10 Minutes	Passed	Passed
Softening Point	ASTM D36	-	320°F	350°F
Specific Gravity	ASTM D71	1.15 - 1.50	1.20 - 1.35	1.35 - 1.40
Volatile Matter	ASTM D6	2% max.	2.00%	1.20%

Durajoint® Seal-Tite Butyl Mastic Non-Hydrophilic Waterstop



SEAL-Tite 100 (SEA100)

3/4" x 1" x 16'8" (6 rolls/carton)
100 linear ft./carton

SEAL-Tite 250 (SEA200)

1" x 1" x 36" (30 strips/carton)
90 linear ft./carton

Durajoint® Construction

Sealant/Adhesive

10.1 oz. Tube (24 tubes/carton)

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Durajoint® Construction Sealant/Adhesive
Packout: 10.1 oz. Cartridge: 24/Case - 80 Cases/Pallet

Description/Features: Durajoint® Construction Sealant/Adhesive is a one-component, low-modulus, moisture curing, advanced polymer adhesive and sealant. The product's one component design ensures that it cures rapidly when exposed to atmospheric moisture to form a durable bond, and can be applied in a wide range of temperature and weather conditions (-40°F to 140°F). It is engineered to deliver aggressive adhesion with the most common construction substrates while ensuring complete compatibility – even with rubberized asphalt flashing and other flexible plastic building materials. These unique features make it a sealant of choice for professionals everywhere. Compatible with SBS flashing. Paintable in 2 hours. Solvent Free. Low VOCs. Durajoint Construction Sealant/Adhesive can be used for a variety of applications beyond the adhesion of Durajoint Waterstops. Other applications include but are not limited to; roofing, siding, windows, doors, concrete & masonry, metal buildings, EFIS, HVAC, marble/granite, etc.

Curing: Under normal conditions (70°F, 50%RH) material cures at roughly ¼" per 24 hours. The higher the humidity and temperature, the faster the cure.

Limitations: Do not apply over damp or contaminated surfaces. Always utilize the SDS for information on PPE and health hazards.

Storage/Shelf Life: Be sure to rotate inventory. Material must be stored under controlled/dry environment (below 75°F). Use cartridges within 12 months from date of manufacture.

Specifications:	Conforms to the requirements for ASTM C-920 Type STTS-0230C, Grade NT, Class 25
Skin Time	Less than 20 minutes @ 77°F / 50% RH
Tack Free Time	Less than 1 hour @ 77°F / 50% RH
Cure Rate	1/4" Bead per 24 Hrs.
VOC	9 g/L (0.14%)
Elongation @ Break	300% - 400%
Shore A	35 +/- 5
Movement Capacity	25%
Lap Shear	190 psi
Tensile Strength	205 psi
Staining	None
Low Temp. Flexibility	Retained as Low as -90°F
High Temp. Flexibility	Retained as High as 425°F
Modulus of Elasticity; Internal / Modified ASTM D412	1.24 N/mm
Sag/Slump; Internal/modified ASTM D2202	Minimal; ~ 0
UV Rating; Internal	No discoloration or change in appearance after 12 months of UV

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Durajoint® Ultra-Tite Gunable Hydrophilic Waterstop

Packout: 10.5 oz. Cartridge: 24/Case - 80 Cases/Pallet

Description/Features: Ultra-Tite is designed for use as a standalone waterstop in Cast-In-Place joints, Precast joints, and for use as a hydrophilic waterstop adhesive for waterstops such as Dura-Tite®. With a hydrostatic pressure resistance of 60 psi, Ultra-Tite can be used in construction applications such as: Tunnels, Vent Shafts, Dams, Manholes, Box Culverts, Containment Structures, Concrete Slabs, Foundation Joints, Wall or Floor Penetrations, Water & Wastewater Structures, and Many More. Ultra-Tite Waterstop can be used for a variety of applications and adheres to many common construction materials such as: Concrete, Metal, Fiberglass, Many Plastics, PVC, Glass, Aluminum. Keep Ultra-Tite at room temperature (Approx. 70°F) before applying to ensure easy application. A clean, dry, and uncontaminated surface is mandatory. Ultra-Tite may be factory or field applied to seal various construction components. Work Ultra-Tite into rough surfaces to optimize surface contact. If filling cracks, avoid air entrapment by filling void with a continuous bead. Tooling techniques using solvents or soapy solutions are not recommended.

Curing: Under normal conditions a tack free skin is formed in 60 minutes. Full cure takes place in 24 to 48 hours. Over 100% hydrophilic expansion in the first 48 hours and 250% hydrophilic expansion in 30 days.

Limitations: Do not apply over damp or contaminated surfaces.

Storage/Shelf Life: Be sure to rotate inventory. Material must be stored under controlled/dry environment (below 75°F). Use cartridges within 12 months from date of manufacture.

Property	Typical Value	Test Method
Skin Time	60 minutes @ 75°F / 50% RH	-
Cure Rate (77°F at 50% Relative Humidity)	1/8" Per 40 Hours	-
Gun Grade	Zero Slump	ASTM C679
Tensile Strength	159 PSI	ASTM D412
Shear Strength	188 PSI	ASTM D1002
Elongation	185%	ASTM D412
Adhesion to Primed Concrete (Clean, Dry)	30 pli, Cohesive Failure	ASTM C794
Shore A, Hardness	35	ASTM D661
UV Stability, Accelerated Weathering	UV-A, No Change (2,000 Hours)	QUV Weatherometer
VOC Content	20.6 Grams/Liter	-
Service Temperature	-40°F to 220°F (-40°C to 104°C), Continuous Service	-
Application Ambient Temperature	40°F to 130°F (4°C to 55°C)	-
Application Surface Temperature	40°F to 130°F (4°C to 55°C)	-

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