



Durajoint® Ultra-Tite Hydrophilic Sealant / Waterstop

Product Description

Durajoint® 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.

Typical Uses

Durajoint® Ultra-Tite Waterstop can be used for a variety of applications and adheres to many common construction materials such as: concrete cold joints, expanded metal forms, pipe or circular penetrations, crack or joint repair, sheet pile interlocks, precast segment sealant, rough or irregular concrete, fiberglass, many plastics, PVC, glass, aluminum and wood.

Application

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

Surface Preparation: *Concrete* - The surface must be free of form release, curing compounds, sealers, loose debris or other contaminants. Completely remove previous coatings or sealants (may require abrasion of the surface with steel wool or fine emery paper). Sand blasting, power washing, wire brushing, or other appropriate cleaning techniques can be utilized. Surface must be clean and dry prior to application.

Make sure the surface is free of frost. DO NOT USE petroleum solvents such as Mineral Spirits or Xylene for surface preparation.

Clean-up: Tools and surfaces with wet sealant can be cleaned using a solvent such as alcohol. (Follow solvent manufacturer safety guidelines). Cured Ultra-Tite can be removed mechanically.

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.

Safety/First Aid

Read and understand MSDS for all products. Wear rubber gloves and eye protection at all times. Use dust mask when cleaning. Keep fresh water on site at all times. Do not ingest or inhale.

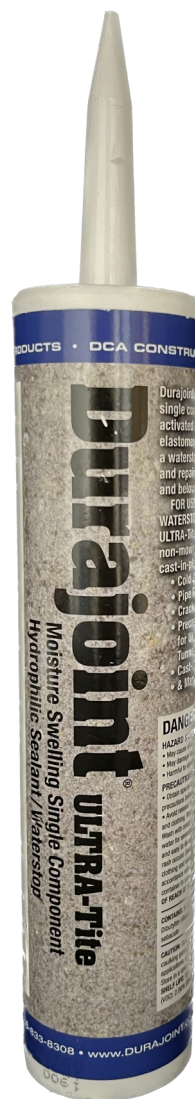
- Eye contact - Flush with water for 15 minutes and seek medical attention.
- Skin contact - Wash with soap and water, consult physician if rash occurs.
- Ingestion - Give large quantities of water, do not induce vomiting, seek medical attention.
- Inhalation of vapor - Remove to fresh air, apply oxygen if necessary.

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.

Packaging

24 (10.3 oz.) tubes per carton - 80 cartons per pallet
20 (20.2 oz.) sausages per carton - 60 cartons per pallet



Made in America  U.S. Veteran Owned

Waterstop • Forming Accessories • Tilt-Up Accessories • Prestressed Accessories • Rebar/Mesh Supports

DCA CONSTRUCTION PRODUCTS, LLC

10421 Industrial Dr., Garrettsville, OH 44231 • (888) 833-8308 (Toll-Free) • Fax: (330) 527-2440

Email: sales@durajoint.com



durajoint.com



Durajoint® Ultra-Tite Hydrophilic Sealant / Waterstop

Chemical & Physical Properties

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)	-
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)	-

Bead Size In Inches	Feet Per Cartridge	Feet Per Sausage
1/4" x 1/4"	25	49
1/4" x 1/2"	19	37.25
1/4" x 3/4"	13	25.5
1/2" x 1/2"	13	25.5
1/2" x 3/4"	7	13.75
1/2" x 1"	3	5.9

Bead Size In Inches	Hydrostatic Resistance In PSI
1/4" x 1/4"	60
1/4" x 1/2"	65
1/4" x 3/4"	70
1/2" x 1/2"	70
1/2" x 3/4"	82
1/2" x 1"	88

Bead Size In Inches	Concrete Clear Cover
1/4" x 1/4"	2"
1/4" x 1/2"	3"
1/4" x 3/4"	4"
1/2" x 1/2"	4"
1/2" x 3/4"	5"
1/2" x 1"	6"

LIMITED LIFETIME WARRANTY:

This product is guaranteed to give satisfactory performance if applied in accordance with the label directions. Liability to is limited to a full refund of the purchase price or product replacement if product is proven defective. DCA Construction Products shall not be liable for loss or damage, whether direct, consequential or incidental. There are no other warranties expressed or implied including the implied warranty of merchantability or fitness for a particular purpose.

DCA Construction Products specifically disclaims and makes no warranties, express or implied, about this product, its merchantability, or its fitness for a particular purpose. All recommendations, directions, and suggestions for its use are consistent with manufacturer testing and research for a variety of applications, but no promises, guarantees, or warranties are being made with regard to its use, whether or not consistent with the directions, or its effectiveness for any given application. Users of this product should do so in compliance with all applicable laws and regulations. User of this product should conduct its own field test, to assure results.

Made in America  U.S. Veteran Owned

Waterstop • Forming Accessories • Tilt-Up Accessories • Prestressed Accessories • Rebar/Mesh Supports

DCA CONSTRUCTION PRODUCTS, LLC
 10421 Industrial Dr., Garrettsville, OH 44231 • (888) 833-8308 (Toll-Free) • Fax: (330) 527-2440
 Email: sales@durajoint.com



durajoint.com