

EXPAND-Tite® Hydrophilic Waterstop

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.

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)	
Hydrostatic Resistance:	100 PSI	
Swell Rate:	25% in 24 Hours, 100% in 30 Days	

EXPAND-Tite 100

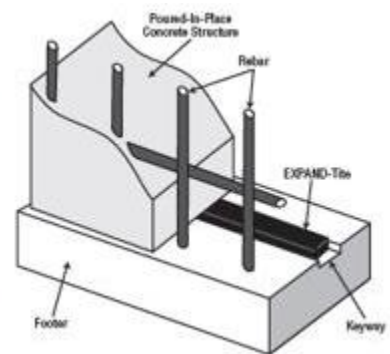
3/4" x 1" x 16'8" (6 rolls/carton)
100 linear ft./carton

EXPAND-Tite 150

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

EXPAND-Tite 200

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



EXPAND-Tite Primer

1 Gallon Units

Durajoint® Construction Sealant/Adhesive

10.1 oz. Tube (24 tubes/carton)
20oz Sausage (12 sausages/carton)

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



Installation Instructions

Applications:

Cast-In-Place joints, foundations, slabs, retaining walls, storage tanks, wall or floor penetrations, and precast concrete structures of all types. Not intended for use on expansion joints or joints that move. Do not install Expand-Tite® waterstop in standing water or over icy substrates.

Installation Instructions:

- Prepare installation surface by grinding away irregularities in the concrete.
- Carefully brush off all dust and debris to remove grease, dust, and laitance from the joint.
- Apply a 1/4" bead of Durajoint® Construction Adhesive or a 2" wide coat of Durajoint® Primer to prepared surface where Expand-Tite® waterstop will be placed.
- Using the heel of the hand and moderate pressure, press Expand-Tite® waterstop into position.
- Check to be certain that Expand-Tite® is bonded prior to concrete pour.
- Peel and discard the protective backing from Expand-Tite® waterstop.
- When joining sections of Expand-Tite® waterstop gently knead ends creating an uninterrupted seal.
- Keep Expand-Tite® dry during installation and until the new concrete pour. Premature swelling may negatively impact its effectiveness.
- Continue with concrete pour while taking care to not disturb or displace the position of the waterstop.

Additional Installation Notes:

- Always use an appropriate Durajoint® adhesive to avoid displacement of the Expand-Tite® waterstop during concrete pouring.
- Utilization of masonry nails or other mechanical means (12" on center) to secure Expand-Tite is allowable when used in combination with an appropriate Durajoint Adhesive.
- Place Expand-Tite® waterstop so that it is no closer than 2" from the outer surface of poured structure.
- If a keyway is utilized, place Expand-Tite® waterstop into the bottom of the formed keyway area.
- Keyways may be used but are not required for installation unless specified.

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100 linear ft./carton

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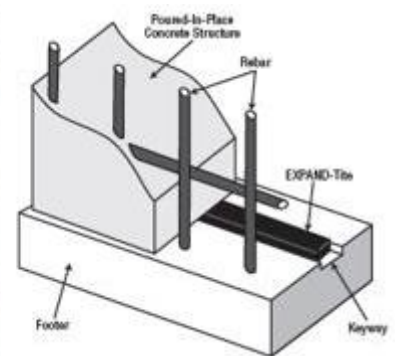
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EXPAND-Tite® Hydrophilic Waterstop Chemical Resistance Chart

10% Hydrochloric Acid	Continuous Service
37% Sulfuric Acid	Not Recommended
10% Sulfuric Acid	Continuous Service
5% Acetic Acid	Continuous Service
10% Nitric Acid	Not Recommended
10% Potassium Hydroxide	Continuous Service
10% Sodium Hydroxide	Continuous Service
20% Sodium Carbonate	Continuous Service
Bleach, concentrated	Not Recommended
Chlorine	Continuous Service
Toluene	Not Recommended
MEK	Not Recommended
Acetone	Not Recommended
Isopropyl Alcohol	Not Recommended
Mineral Spirits	Not Recommended
n-heptane	Not Tested
Methanol	Not Recommended
10% Salt Solution	Continuous Service
3% Salt Solution	Continuous Service
25% Sugar Water	Limited Service Exposure
Deionized Water	Continuous Service
"Pool" Water pH 7.5	Continuous Service
Lime Water	Continuous Service
Diesel Exhaust Fuel	Not Tested
Diesel Fuel	Not Recommended
Jet A Fuel	Not Recommended
JP-4 Fuel	Not Recommended
JP-8 Fuel	Not Recommended
JP-10 Fuel	Not Recommended
Kerosene	Not Recommended
Gasoline	Not Recommended
Hot Culinary Grease	Not Tested
Karo Corn Syrup	Continuous Service
Vegetable Oil	Continuous Service
Motor Oil	Not Recommended
Transmission Fluid	Not Recommended
Brake Fluid	Not Recommended
Antifreeze	Continuous Service
Propylene Glycol	Continuous Service
Glycerin	Continuous Service
Fertilizers	Continuous Service
Cleaning Detergent	Not Recommended

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