



DATA SHEET NO. 5125-000

## WATERSTOP EC PLUS

### DESCRIPTION

WATERSTOP EC PLUS is comprised of a sodium bentonite/hydrophilic rubber combination designed to provide a superior watertight seal while at the same time offering the ability to work in an environment subjected to continuous wetting and drying cycles. Full hydration and/or dehydration takes approximately four days.

### USES

WATERSTOP EC PLUS is used to seal static construction joints in concrete footings, walls, floors, tunnels, and parking and plaza decks and to prevent water migration. WATERSTOP EC PLUS has superior performance when used under conditions of extreme water head. WATERSTOP EC PLUS is compatible with all waterproofing membranes available from W. R. MEADOWS.

### FEATURES/BENEFITS

- When properly applied, stops water migration through cast-in-place concrete construction joints after confinement.
- Returns to original placement and size after one prolonged hydration cycle.
- Resistant to a variety of chemical contaminants common to urban water and soil samples.

### PACKAGING

Standard rolls sizes:

- 6.4 mm x 25.4 mm x 5.1 m (¼" x 1" x 16' 8")
- 12.7 mm x 25.4 mm x 5.1 m (½" x 1" x 16' 8")
- 19.1 mm x 25.4 mm x 5.1 m (¾" x 1" x 16' 8")

Each carton provides 30.5 lm (100 LF) of coverage. Rolls are packaged six per carton. Protect product from moisture in storage. Store on skid or pallet. Cover with polyethylene or tarp.

### APPLICATION

**Surface Preparation** ... Surface should be clean and dry. For optimum adhesion to concrete, use CLAY-TITE MASTIC from W. R. MEADOWS. Place bead of material across surface before installation of WATERSTOP EC PLUS. Concrete should cover 50 mm (2") surrounding the WATERSTOP EC PLUS application area.

**Application Method** ... After applying CLAY-TITE MASTIC, remove the thin liner and press the product into place. The product should be applied with the nylon side up. After WATERSTOP EC PLUS is hand-pressed into place, then install standard masonry nails. The nails should be placed 304.8 mm (12") apart. After the nails are placed, release the thick liner. Then concrete can be poured or placed.

### PRECAUTIONS

Do not install in standing water or over ice. WATERSTOP EC PLUS is not designed, nor intended to function, as an expansion joint sealant. WATERSTOP EC PLUS is designed to seal structural concrete joints with a minimum 20.7 MPa (3000 psi compressive concrete strength). If WATERSTOP EC PLUS has eclipsed 24 hours of continuous submersion, allow an appropriate or equal time to dry before placement of concrete or replace with new product. CLAY-TITE MASTIC may be applied over damp surfaces, but must not be applied over dust, debris or standing water as proper adhesion will not take place

### MASTERFORMAT NUMBER AND TITLE

03 15 13 - Concrete Accessories - Waterstops

### LEED INFORMATION

May help contribute to LEED credits:

- MRc9: Construction and Demolition Waste Management

For most current data sheet, further LEED information, and SDS, visit [www.wrmeadows.com](http://www.wrmeadows.com).

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**W. R. MEADOWS® OF CANADA**  
70 Hannant Court, Milton, ON L9T 5C1  
38 Rayborn Crescent, St. Albert, AB T8N 4B1  
(800) 342-5976  
Montreal Sales: (877) 405-5186

Hampshire, IL / Cartersville, GA / York, PA / Fort Worth, TX  
Benicia, CA / Pomona, CA / Goodyear, AZ / Milton, ON  
St. Albert, AB  
[www.wrmeadows.com](http://www.wrmeadows.com)

Property	Test Method	WATERSTOP EC PLUS Results
Colour		Black
Weight		0.4 kg/m (0.25 lb./linear foot)
Tear Strength: Membrane	ASTM D1004	333 N (75 lb.)
% Elongation at Break	ASTM D638	>150%
Unrestricted Expansion		300% over 4 days
Installation Temperatures	ASTM D746	-26° to 49° C
Freeze/Thaw Cycles		No effect before or after installation.
Resistance to Hydrostatic Head	ASTM D5385	70 m (231') of water
Vapor Permeability	ASTM D5084	1 x 10 <sup>-9</sup> cm per sec

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