



DATA SHEET NO. 5128-120

WATERSTOP LIQUID HPW

Polyurethane Hydrophilic Waterstop

DESCRIPTION

WATERSTOP LIQUID HPW is a one-component polyurethane sealant that swells up to 500% when in contact with water. It is a gun-grade hydrophilic waterstop used for construction joints, pipe, or cable wall inlets. It has excellent swelling capability with superior water-stopping performance over the service life of the structure.

USES

WATERSTOP LIQUID HPW is pre-applied to provide a negative-side waterproofing contingency should the primary positive-side waterproofing fail in applications including cast-in-place slabs, pipe penetrations, construction joints, sheet piles, and cold joints. It can be applied both vertically and horizontally. It is also used to seal non-moving construction or cold joints against water migration in concrete and reinforced concrete construction. WATERSTOP LIQUID HPW has superior performance when used under conditions of extreme hydrostatic pressure. The waterstop can also be used as an adhesive when installing the standard WATERSTOP HPW.

FEATURES/BENEFITS

- Provides excellent adhesion on concrete, metals, and PVC.
- Excellent swelling properties, with expansion capability up to 400 - 500% of its original volume.
- Gunable
- Stays elastic after curing.
- Excellent chemical resistance.

PACKAGING

592 mL (20 Oz.) Sausages
12 per Carton

COVERAGE

9.5 x 9.5 mm (3/8" x 3/8") bead yields 2 m² (21.5 ft.²) per 592 mL (20 oz.) sausage.

SHELF LIFE

When stored indoors and in original, unopened containers at temperatures between 4° - 32° C, shelf life is one year from date of manufacture. Protect from moisture.

TECHNICAL DATA

Property	WATERSTOP LIQUID HPW Results
Color	Brown
Material	Polyurethane
Curing Method	Moisture Cure
Skin Formation	10 - 15 Minutes
Slump	None
Elongation	250%
VOC Content	0 g/L

APPLICATION

Surface Preparation ... Ensure surfaces are free from protrusions and debris. No primer is required. Compatibility tests with all surfaces are recommended. WATERSTOP LIQUID HPW may be installed after removal of forms and prior to the subsequent concrete placement. Minimum application temperature is 4° C and rising.

Application Method ... Apply WATERSTOP LIQUID HPW onto vertical and horizontal construction joints and recessed a minimum of 76.2 mm (3") from outside surfaces.

For rough concrete, apply WATERSTOP LIQUID HPW to fill voids and provide additional adhesion to prevent water or concrete from seeping under WATERSTOP HPW.

PRECAUTIONS

Keep WATERSTOP LIQUID HPW dry; protect from exposure to the elements.

MASTERFORMAT NUMBER AND TITLE

03 15 13 - Concrete Accessories – Waterstops
07 16 16 – Crystalline Waterproofing

For most current data sheet, sustainability information, and SDS, visit www.wrmeadows.com.

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W. R. MEADOWS OF CANADA
70 Hannant Court, Milton, ON L9T 5C1
21 Steambank Ave., Sherwood Park, AB T8H 1N1
(800) 342-5976
Ventes Montréal: (514) 865-5186

Hampshire, IL / Cartersville, GA / York, PA / Fort Worth, TX
Benicia, CA / Pomona, CA / Goodyear, AZ / Milton, ON /
Sherwood Park, AB
www.wrmeadows.com
info@wrmeadows.com

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