



WATERSTOP HPW

Hydrophilic Swell Strip

DATA SHEET NO. 5128-001

DESCRIPTION

WATERSTOP HPW is a hydrophilic swell strip composed of synthetic rubber with excellent swelling capabilities. It retains its own shape after wet-drying cycles and is intended for creating watertight sealing of non-moving construction joints. WATERSTOP HPW will provide superior performance over the service life of the structure.

USES

WATERSTOP HPW can be installed both vertically and horizontally. It is used to seal non-moving construction joints against water migration in concrete and reinforced concrete construction, including concrete footings, walls, floors, tunnels, and parking and plaza decks. The waterstop is also used to seal around pipes and other penetrations. WATERSTOP HPW has superior performance up to 6 bar (87 psi) water pressure.

FEATURES/BENEFITS

- Provides both extreme and delayed free-swell properties.
- Provides additional strength and structure.
- Good chemical resistance and swelling capability in high alkaline environments.
- Excellent re-swelling performance during wet/dry cycling.
- Provides controlled swelling.

PACKAGING

Roll size:

20 mm x 5 mm x 10 m (3/4" x 1/4" x 33')

Five Rolls per Carton

STORAGE AND HANDLING

Protect from moisture. Store indoors on skid or pallet.

Storage temperature is -25° to 75° C.

APPLICATION

Surface Preparation ... Ensure surfaces are structurally sound, dry, free from protrusions, debris and compounds detrimental to adhesion. Fill minor cracks, voids, and depressions with WATERSTOP LIQUID HPW prior to installation of WATERSTOP HPW.

Application Method ... WATERSTOP HPW is intended for use on vertical and horizontal construction joints and should be recessed a minimum of 76 mm (3") from outside surfaces. Ensure all ends are firmly butted together.

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

For troweled smooth surfaces, two attachment methods are available.

- Nails/Fasteners: Attach WATERSTOP HPW with a washer nail [25 mm (1") shank] with washer [15 - 23 mm (5/8" - 13/16")]. Tapcon fasteners are recommended.
- WATERSTOP LIQUID HPW: Lay a 3 - 6 mm (1/8" - 1/4") bead of WATERSTOP LIQUID HPW along the joint. Surfaces to receive the WATERSTOP HPW cannot have protrusions greater than 13 mm (1/2"). Press WATERSTOP HPW into uncured WATERSTOP LIQUID HPW and nail every 381 mm (15") on center. Attach WATERSTOP HPW with a washer nail [22 mm (1") shank] with washer [15 - 23 mm (5/8" - 13/16")]. Butt ends for a continuous application.

PRECAUTIONS

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

MASTERFORMAT NUMBER AND TITLE

03 30 00 – Cast-In-Place Concrete

07 16 16 – Crystalline Waterproofing

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

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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

Property	WATERSTOP HPW Results
Color	Green
Volume expansion in potable water	500%
Volume expansion in concrete water (High alkalinity)	400%
Hardness, Shore A	35
Tensile Strength	2 MPa (290 psi)
Elongation	>400%

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