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TECHNICAL DATA SHEET

HydraStop SA

Manufacturer: W. R. Meadows

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8241 129 St, Surrey, BC V3W 0A6

604-540-9040 · sales@bcbp.ca · bcbp.ca



DATA SHEET NO. 5117-800

HYDRASTOP™ SA Pre-Applied Waterproofing Membrane

DESCRIPTION

HYDRASTOP SA is a composite, self-adhered sheet membrane comprised of a non-woven fabric, elastomeric membrane, and coated release paper. Once concrete is poured against HYDRASTOP SA and the concrete cures, a mechanical bond forms that secures the concrete to the membrane. The HYDRASTOP SA system is comprised of the HYDRASTOP SA membrane as well as MEL-DRAIN™ composite drainage board from W. R. MEADOWS.

USES

HYDRASTOP SA is used as a pre-applied waterproofing membrane in vertical applications where access to the site requires a pre-applied waterproofing membrane prior to pouring the foundation walls. The product can also be used for horizontal suspended balcony slabs that will receive a concrete topping. Compatible substrates include plywood and concrete.

FEATURES/BENEFITS

- Provides a waterproof seal between the membrane and poured concrete wall or deck.
- Helps prevent moisture migration into the structure.

PACKAGING

991 mm x 15.2 m (39" x 50') long rolls, one roll per carton. Store cartons on pallets and cover if left outside. Keep materials away from sparks and flames.

APPLICATION

Surface Preparation ... Inspect all surfaces for any conditions detrimental to the proper completion of the work. Surfaces should be structurally sound. Remove debris or any other foreign material that could damage the membrane.

Application Method ... HYDRASTOP SA may be applied at temperatures down to 5° C. MEL-PRIME™ from W. R. MEADOWS should be used to enhance the bond at the selvage edge when conditions warrant it. In colder temperatures, use HYDRASTOP SA LOW TEMP, which can be applied at temperatures down to -7° C.

Membrane Application ... Mechanically attach with fasteners every 304.8 mm (12") across the top, within 13 mm (½") of the top edge of the membrane. Install the membrane with the fabric side facing toward the concrete pour. Remove release paper and roll press onto MEL-DRAIN drainage board.

Prior to application of the blindside membrane, attach MEL-DRAIN rolled matrix drainage system to lagging or soil retention system.

Remove release paper on 76.1 mm (3") overlap. Apply membrane and roll press into place with a tile type roller.

End Laps ... Overlap membrane 152.4 mm (6"). Prior to overlap, apply BEM, HYDRALASTIC 836, or MEL-ROL® LIQUID MEMBRANE (two-component) from W. R. MEADOWS in area to be lapped. Roll press membrane into BEM, HYDRALASTIC 836, or MEL-ROL LIQUID MEMBRANE. At terminations of membrane, apply BEM, HYDRALASTIC 836 or MEL-ROL LIQUID MEMBRANE 304.8 mm (12") wide centered over the termination and while still wet, embed 304.8 mm (12") wide DETAIL FABRIC into the HYDRALASTIC 836 or MEL-ROL LIQUID MEMBRANE and roll press into place. Ensure that DETAIL FABRIC is centered over the termination with 152.4 mm (6") on each side of lap edge. Apply additional HYDRALASTIC 836 on all terminations of DETAIL FABRIC.

Penetrations and Protrusions ... Detail around all penetrations using BEM, HYDRALASTIC 836, or MEL-ROL LIQUID MEMBRANE (two-component). Apply BEM, HYDRALASTIC 836, or MEL-ROL LIQUID MEMBRANE by forming a fillet around the pipe or protrusion, overlapping the fabric side of HYDRASTOP SA and the protrusion a minimum of 64 mm (2.5"). If the gap between the protrusion and the membrane is greater than 13 mm (½"), apply DETAIL FABRIC over the fully-cured BEM, HYDRALASTIC 836, or MEL-ROL LIQUID MEMBRANE (minimum 24 hours cure required). All penetration and protrusion surfaces must be clean, rust-free, and sound prior to application of MEL-ROL LIQUID MEMBRANE.

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W. R. MEADOWS® OF CANADA
70 Hannant Court, Milton, ON L9T 5C1
21 Streambank Ave., Sherwood Park, AB T8H 1N1
(800) 342-5976
Montreal Sales: (514) 865-2406

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

Patching ... Prior to pouring, inspect membrane for punctures or damage and repair as necessary with HYDRALASTIC 836 and/or DETAIL FABRIC.

PRECAUTIONS

Concrete should be poured within 60 days of membrane installation. For installations below 4° C, contact W. R. MEADOWS technical services. When using bar supports, use those with a flat bottom. The use of HYDRASTOP SA does not negate the need for relief of hydrostatic head. A complete drain tile system should be placed around the exterior of footing and under slabs, as required.

MASTERFORMAT NUMBER AND TITLE

07 13 26 - Self-Adhering Sheet Waterproofing

TECHNICAL DATA

Property	Test Method	HYDRASTOP SA Results
Colour		White
Thickness	ASTM D1000	80 Mils (Nominally)
Low Temp Flexibility	ASTM D1970, 180° @ -32° C	Pass
Resistance to Hydrostatic Head	ASTM D5385-93	230' (70 m)
Elongation	ASTM D412-06	> 400%
Crack Cycling	ASTM C836 @ -36° C	Pass
Puncture Resistance	ASTM E154	1155 N (260 lb.)
Peel Adhesion to Concrete	ASTM D 903	1754 N/m (10 lb./in.)

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

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