



W. R. MEADOWS

SEALTIGHT

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.

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. Any void >50.8 mm (2") need to be addressed prior to installation of MEL-DRAIN from W. R. MEADOWS. 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 (40° F). 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 (19° F).

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 horizontal and vertical penetrations using MEL-ROL LIQUID MEMBRANE (two-component). Apply 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 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.

Continued over ...

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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.

MASTERFORMAT NUMBER AND TITLE

07 13 26 - Self-Adhering Sheet Waterproofing

LEED INFORMATION

May help contribute to LEED credits:

- EA Credit 1: Optimize Energy Performance
- IEQ Credit 3.1: Construction Indoor Air Quality Management Plan - During Construction
- IEQ Credit 7.1: Thermal Comfort - Design
- MR Credit 2: Construction Waste Management
- MR Credit 5: Regional Materials

TECHNICAL DATA

Property	Test Method	HYDRASTOP SA Results
Colour		Black
Thickness	ASTM D 1000	90 Mils (Nominally)
Low Temp Flexibility	ASTM D 1970, 180° @ -32° C	Pass
Resistance to Hydrostatic Head	ASTM D 5385-93	230' (70 m)
Elongation	ASTM D 412-06	> 400%
Crack Cycling	ASTM C 836 @ -36° C	Pass
Puncture Resistance	ASTM E 154	1155 N (260 lb.)
Peel Adhesion to Concrete	ASTM D 903	1754 N/m (10 lb./in.)
Resistance to Penetration by Termites	Texas A&M Method Percentage of Penetration	0.0%
Resistance to Penetration by Pesticides	ASTM F 2130 Percentage of Penetration	0.0%

For further LEED information and SDS, visit www.wrmeadows.com.

2017-01-18

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