

## **SANDELL'S AIR-TIGHT™ SELF-ADHESIVE MEMBRANE 40MIL**

### **Product Description:**

Sandell's Air-Tight™ Self-Adhesive Membrane is a fully adhered, self adhering, in wall flashing membrane for use with concrete masonry, gypsum or wood wall construction. Usage shall comply with typical wall flashing details.

### **Composition and Materials:**

Sandell's Air-Tight™ Self-Adhesive Membrane is a 40mil membrane that is composed of a highly adhesive rubberized asphalt compound. This product is integrally bonded to a high density, cross laminated polyethylene film. Joined together these materials provide strong and flexible waterproofing layers that insure moisture protection.

### **Installation:**

Surface to receive flashing must be clean and dry. Any dust, dirt, loose rust scales or any other material that may cause complications in flashing installation, must be removed. All surfaces to receive flashing membrane must be primed with Sandell's S-600 Primer. The primer should be allowed to dry for approximately 30 minutes, or until it is dry to the touch. It should be reapplied if the primed area has been left exposed for 24 hours.

### **Vertical Flashing Installation:**

Flashing membrane should be installed in accordance with typical vertical wall flashing details. Apply the flashing membrane to primed surfaces vertically, in 8 foot sections in length, or less. On walls higher than 8', apply two or more section with upper section overlapping lower section with 5" minimum overlap. Press membrane firmly against vertical surface or use a hand roller to smooth surface and eliminate air pockets. Sandell's Sando-Dry Mastic should be used at every termination of the membrane. Use approximately one bead of mastic at terminations and trowel the bead to the flat surface 1/8" thick by 3/4" wide. Mastic must be applied directly to cut edge terminations, to seal all exposed joints and seams. On vertical surfaces above grade or on parapet walls, where the flashing membrane terminates use reglets, or counter flashing. All seams and joints should be sealed with Sandell's Sando-Dry Mastic. Apply the bead of mastic with a trowel, to seal all terminations.

### **Horizontal Flashing Installation:**

Flashing membrane should be installed in accordance with typical horizontal wall flashing details. Apply the flashing membrane to primed surfaces horizontally. Begin from the lowest point working to the highest point in an overlapping or

shingle method. Side joints and seams shall be a minimum of 2-1/2" and end joints and seams should be a minimum of 5". Press membrane firmly against horizontal surface or use a hand roller to smooth surface and eliminate air pockets. A termination bar is recommended when flashing is adhered to a vertical backup wall, horizontally. The flashing membrane should be turned up into a reglet, placed under counter flashing, or secured with a termination bar. Press membrane firmly against horizontal surface and apply a bead of Sando-Dry Mastic with a trowel.

### **Special Instructions:**

Exposed flashing should be trimmed 1/2" back from the face of the wall. Sandell's Air-Tight™ Self-Adhesive Membrane should not be exposed to ultra-violet rays, or sunlight for an extended period of time. Sandell's Air-Tight™ Self-Adhesive Membrane should not come into contact with any of the following materials: uncured coal tar products, EPDM, creosote, or polysulfide sealants.

### **Safe Handling & Storage:**

Sandell's Air-Tight™ Self-Adhesive Membrane should be protected from the possible exposure to damaging weather conditions. Manufacturer recommends that the material be stored in ambient temperatures between 60° F and 80° F. If Sandell's Air-Tight™ Self-Adhesive Membrane has been stored below the recommended temperatures, it is important that the material is restored to the minimum of 60° F prior to flashing application.

### **Availability and Cost:**

Sandell's Air-Tight™ Self-Adhesive Membrane is distributed through the building and product supply companies throughout the United States and Canada. Sandell's Air-Tight™ Self-Adhesive Membrane is competitively priced. For specific information, please contact your local Sandell Representative or call Sandell Manufacturing Co., Inc. directly.

### **Warranty:**

Sandell hereby warrants, that for a period of five years from the date of delivery that Air-Tight™ Self-Adhesive Membrane is free from defects in material and workmanship. Sandell must be notified in writing of any defects in the product within 30 days of its occurrence. Sandell reserves the right to inspect such products by a Sandell authorized agent. This warranty is null and void if the product has not been installed or maintained in conformance with the printed instructions that are in effect at the time of purchase. Further, this warranty



# TECHNICAL DATA SHEET

does not cover damages caused by abuse or abnormal use of the product, Acts of God, inadequate or faulty building design, or specification and unauthorized repairs.

**Maintenance:**

Sandell's Air-Tight™ Self-Adhesive Membrane should not require maintenance if installed in accordance with Sandell's specifications and instructions.

\*Note: Sandell does not endorse the use of self-adhesive flashing as an equal to copper laminated flashing.

PROPERTY	TEST METHOD	UNIT	TYPICAL VALUES
Total Thickness	*	Mils	40
Puncture Resistance – Film	ASTM D781	Lbs	170 minimum
Puncture Resistance of Composite Membrane	ASTM D781	Lbs	40 minimum
Tensile Strength of Composite Membrane	ASTM D 412 Modified	Psi	1500 minimum
Elongation of Rubberized Asphalt	ASTM D 882 Modified	%	400 minimum
Water Vapor Transmission Permeance	ASTM E 96 Method B	Grains/ Sqft / Hr in HG	0.1 maximum
Tear Resistance	*	Linear inch	20lbs per linear inch

**TECHNICAL ASSISTANCE:**

Call Sandell directly for technical assistance or product questions:

New York: 800.283.3888

Alabama: 877.726-3355

Wisconsin: 800.323-3565



[www.sandellmfg.com](http://www.sandellmfg.com)

Amendments / Notes:


Sandell Employee:

Date:

Page 2 of 2 Page: Air-Tight™ Self-adhesive Membrane – 60mil

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