

AIR-TIGHT™ 40

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Asphalt Based Air, Water & vapour Barrier

1. PRODUCT DATA

Date of Preparation: October 18, 2018

Product Name: AIR-TIGHT™ 40

Producer: Blok-Lok Limited, A Hohmann & Barnard Company, 12 Ashbridge Circle, Woodbridge, ON L4L 3R5

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2. PRODUCT DESCRIPTION

Air-Tight 40 is a self-adhering sheet membrane for use as a water resistive, air and vapour barrier in full-wall applications with concrete, masonry, gypsum or wood construction substrates.

3. COMPOSITION AND MATERIALS

A 40 mil membrane that is composed of a highly adhesive polymer modified asphalt integrally bonded to a high density, cross laminated, polyethylene film. Joined together these materials provide strong and flexible resistance to air leakage and vapour diffusion.

4. INSTALLATION

All surfaces must be clean and dry. Remove any dust, dirt, loose rust scales, or other material that may cause complications during installation. All surfaces to receive the Air-Tight 40 membrane must be primed with Primer LT. The primer should be allowed to dry for approximately 30 minutes, or until it is tacky to the touch. It should be reapplied if the primed area has been left exposed for 24 hours.

Vertical Surfaces: Apply the Air-Tight 40 membrane to primed surfaces vertically, in 8' sections in length, or less. On walls higher than 8', apply two or more sections with upper section overlapping lower section with **50 mm (2") minimum overlap**. Press membrane firmly, or use a hand roller, against vertical surface to smooth the membrane and eliminate air pockets. **A termination bar is strongly recommended.** HB Sealant should be used at every termination of the membrane. Use two beads of sealant at terminations and trowel the bead to the flat surface 1/8" thick by 3/4" wide. **HB Sealant 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 membrane terminates use reglets, or counter flashing. All seams and joints should be sealed with sealant. Tool with a trowel to seal all terminations.

Horizontal Installation: Air-Tight 40 membrane should be installed in accordance with typical horizontal wall details. Apply the 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 50 mm (2") and end joints and seams should be a minimum of 50 mm (2").** Press membrane firmly against horizontal surface or use a hand roller to smooth surface and eliminate air pockets. **A termination bar is strongly recommended.** The 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 HB Sealant with a trowel.

5. SPECIAL INSTRUCTIONS

Exposed Air-Tight 40 should be trimmed 1/2" back from the face of the wall. Product should not be exposed to ultra-violet rays or sunlight for an extended period of time. **Do not let product come into contact with any of the following materials: uncured coal tar products, EPDM, creosote, or polysulfide sealants.**

6. MAINTENANCE

Should not require maintenance if installed in accordance with specifications and instructions on this sheet.

7. SAFE HANDLING & STORAGE

Protect from exposure to damaging weather conditions. Manufacturer recommends that the material be stored in ambient temperatures **between 16°C and 26°C (60-80°F)**. If stored below the recommended temperatures, it is important that the material is restored to the minimum of 16°C (60°F) prior to membrane application.

8. PACKAGING

Air-Tight 40 - 10", 12", 18", 24", 36" wide by 75' long rolls
Adhesive Primer LT - 20L pail
HB Sealant - 20L pail & 30oz tube

9. AVAILABILITY AND COST

Air-Tight 40 AVB is distributed through our vast network of distributors. Please call 1-800-561-3026 to find a location near you!

Physical Property	Typical Value	Test Method
Colour	White	-
Thickness	1.0 mm (40 mils)	-
Application Temperature, min	-7°C (+20°F)	-
Service Temperature	-40°C to +70°C (-40°F - +150°F)	-
Air Leakage	0.0002 L/s.m.2 @ 75 PA	ASTM E2178
Assembly Air Leakage	0.0045 L/s.m.2 @ 75 PA	ASTM E2357
Low Temperature Flexibility @ -30°C (-22°F)	Pass	ASTM D1970
Elongation, min	1223%	ASTM D412 Die C
Tensile Strength (film)	3190 psi	ASTM D882
Lap Peel Strength	14.0 lbf/in (Pass)	ASTM D903
Peel Adhesion, CMU	62.9 psi (Pass)	ASTM D7234
Puncture Resistance	311 lbf	ASTM E154
Water Resistance	No Leaks (Pass)	AATCC 127, Option 2
Watertightness	Pass	CAN/CGSB-37.58-M86
Water vapour Permeance	0.6 ng/Pa.s.m ² (0.010 perms)	ASTM E96 Method A
Water vapour Permeance	1.3 ng/Pa.s.m ² (0.023 perms)	ASTM E96 Method B

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