

AquaBarrier™ AVB

AIR & VAPOUR BARRIER

STOCK# STANDARD: 7850053,
7850054, 7850121

LOW TEMPERATURE:
7860053, 7860054, 7860121

ROLLS PER PALLET:
7850053/7860053 - 914 mm (36 in) - 30
7850054/7860054 - 457 mm (18 in) - 50
7850121/7860121 - 610 mm (24 in) - 50

PALLET SIZE:
132 cm x 111 cm (52 in x 44 in)

LENGTH: 22.89 m (75 ft)

WIDTH:
7850053/7860053 - 914 mm (36 in)
7850054/7860054 - 457 mm (18 in)
7850121/7860121 - 610 mm (24 in)

THICKNESS: 1 mm (40 mils)

AREA WEIGHT: 1.17 kg/m² (0.24 lb/ft²)

Note: All reported values are nominal.



- SELF-ADHERING
- WINTER AND SUMMER GRADE



IKO® COMMERCIAL®

Specify with Confidence.



For extra protection, let IKO AquaBarrier AVB Air & Vapour Barrier go to work for your next commercial building project.

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Self-Adhering

AquaBarrier AVB is a self-adhering non-permeable membrane providing superior performance in wall assemblies where an air and vapour barrier is required.

Versatile

AquaBarrier AVB membranes are available in both standard and low temperature grades in a variety of roll sizes and can be applied to all common substrates (gypsum, OSB, concrete, CMU, plywood) for numerous applications (such as masonry cavity walls, and metal cladding systems).

Reinforced for Extra Durability

AquaBarrier AVB is manufactured by integrally bonding SBS modified asphalt to a high density, cross-laminated woven polyethylene film. The backing surface is an easily removed silicone release paper.

Provides Extra Protection

AquaBarrier AVB provides an effective barrier to moisture vapour transmission and air leakage when installed according to IKO specifications and used with S.A.M. or S.A.M. LVC Adhesive. The IKO AquaBarrier line includes tape and mastic products for specialized detail areas.

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All local health and safety rules and precautions should be followed when working with IKO products. See also Material Information Sheet MIS #1201. Good building practices include ensuring the application surface is adequately prepared for the adhesion of the product prior to installation. For further details, please refer to the “IKO Installation Guidelines.”

| CHARACTERISTICS | UNITS | NOMINAL VALUE | TEST METHOD |
|--|-----------------------------------|------------------------|-------------------|
| Tensile Strength (MD/XD): | psi | 1553/1905 | ASTM D412 |
| Ultimate Elongation (MD/XD): | % | >33 / >16 | ASTM D5147 |
| Ultimate Elongation Of Bitumen (MD/XD): | % | >64 / >48 | ASTM D5147 |
| Flexibility At Cold Temperature (at -30°C): | — | ☑ | ASTM D5147 |
| Static Puncture: | N (lbf) | 150 (33.72) | CGSB-37.56M |
| Puncture Resistance: | N | 658 | ASTM E154/E154M |
| Lap Peel (Back to Back): | N/mm | 0.47 | ASTM D1876 |
| Peel Adhesion (CMU/Gypsum/Plywood): | N/mm | 0.9 / 0.8 / 0.5 | ASTM D903 |
| Tear Resistance (MD/XD): | N (lbf) | 260/240 (59/54) | ASTM D5147 |
| Air Permeability (at 75 Pa): | L/s·m ² | <0.02 | ASTM E96 |
| Water Vapour Transmission (Dessicant Method): | ng/Pa·s·m ² (US Perms) | <4 (<0.1) | ASTM E96 |
| Air Leakage Resistance: | — | ☑ | ASTM E2357 |
| Air Leakage Rate Classification: | — | A1 | CAN/ULC S742 |
| Nail Sealability: | — | ☑ | ASTM D1970 |
| Crack Bridging (at -26°C): | — | ☑ | ASTM C1305/C1305M |
| Resistance to Hydrostatic Pressure (Concrete): | Sustained 100 psi for 1 hour | ☑ | ASTM D5385/D5385M |
| Application Temperature | | | |
| Standard: | °C (°F) | 10 to 50 (50 to 122) | — |
| Low Temperature: | | -10 to 10 (14 to 50) | |
| Service Temperature | | | |
| Standard: | °C (°F) | -45 to 70 (-49 to 158) | — |
| Low Temperature: | | -45 to 70 (-49 to 158) | |
| UV Exposure Time*: | days | 180 | — |
| Water absorption: | % | 0.10 | ASTM D570 |

*This product is not designed for continuous UV exposure. It should be covered as soon as practicable within construction scheduling. The information on this product information sheet is based upon data considered to be true and accurate, based on laboratory tests and production measurements, and is offered solely for the user's consideration, investigation and verification. Nothing contained herein is representative of a warranty or guarantee for which the manufacturer can be held legally responsible. The manufacturer does not assume any responsibility for any misrepresentation or assumptions the reader may formulate.