

# AquaBarrier™ & AcrylicStick™ SA

Air & Vapour Barriers

BUILDING ENVELOPE WATERPROOFING

IKO.COM/COMM

- Available in Non-Permeable and Vapour-Permeable Forms
- Self-Adhering
- Outstanding Air and Vapour Protection
- Easy to Install

Provides superior protection in wall assemblies where an air and vapour barrier is required.



**IKO**® COMMERCIAL

Specify with Confidence.

# AquaBarrier & AcrylicStick SA™

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BUILDING ENVELOPE WATERPROOFING

Rely on IKO for superior building envelope product integrity.



Fully integrated with IKO's Commercial Limited Warranty Program

IKO.COM/COMM

IKO offers two varieties of building envelope membranes designed to provide outstanding performance for wall assemblies:

### Non-Permeable Vapour Barrier Membrane

#### AcrylicStick SA

IKO AcrylicStick SA is a primerless, self-adhering, non-permeable membrane providing superior performance in wall assemblies where an air and vapour barrier is required.

IKO AcrylicStick SA is HDPE material manufactured with an acrylic coating functioning as the bonding agent. The acrylic adhesive is pressure sensitive which yields high quality adhesion to various substrate types without the use of primers resulting in cost and labour savings. This formulation can be used effectively in cold weather applications.

Both AquaBarrier AVB and AcrylicStick SA may be applied to most common substrates, such as gypsum, OSB, concrete, CMU and plywood.

#### AquaBarrier AVB

AquaBarrier AVB is manufactured by integrally bonding SBS modified asphalt to a high-density, cross-laminated, woven polyethylene film. The result is a self-adhering building envelope membrane, providing superior performance in wall assemblies where an air and vapour barrier is required.

The IKO AquaBarrier AVB surface backing is an easily removed silicone release paper. When installed according to IKO specifications and used with an IKO-approved primer or adhesive, AquaBarrier AVB provides a superior retarder to moisture vapour transmission and air leakage.

### Vapour-Permeable Membrane

#### AquaBarrier VP

IKO AquaBarrier VP is a primerless, self-adhering, vapour-permeable membrane, providing superior performance in wall assemblies where a vapour-permeable, weather-resistive air barrier is required.

Due to the vapour-permeable matrix of AquaBarrier VP, it is readily compatible and may be applied to most common substrates, such as gypsum, OSB, block, concrete, CMU and plywood. AquaBarrier VP is a polypropylene composite with low water retention capacity and is therefore mold- and mildew-resistant.

AquaBarrier VP is an effective vapour-permeable membrane when installed according to IKO specifications. Coated with a proprietary acrylic adhesive on the back surface, the product offers excellent performance for common wall applications and has an easily removed polyester release film. No mechanical attachments or primer are required in the application of AquaBarrier VP, and the lightweight design of the membrane makes it easy to install.

#### Uses

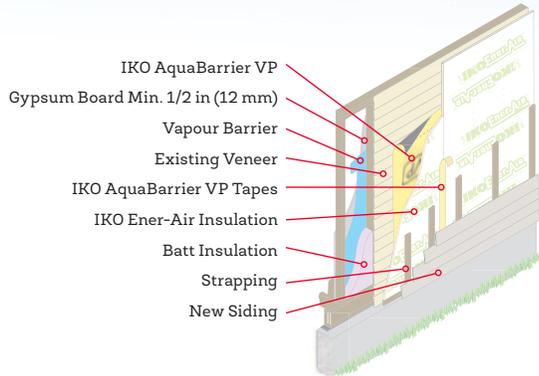
- Masonry cavity walls.
- Shear poured concrete walls.
- Metal cladding systems.
- Rain screen walls.
- Wall/roof transitions (parapets).
- Insulated concrete form (ICF) wall construction.
- AcrylicStick SA standard @ 36 in width (10 mil thickness).
- AcrylicStick SA Tapes available in 4 in, 6 in, 9 in, 12 in, and 18 in widths (10 mils).
- Available in AVB standard and low temp @ 18 in, 24 in and 36 in widths (40 mil thickness).
- AquaBarrier Tapes available in 3 in, 4 in, 6 in, 9 in and 12 in widths (both 25 & 40 mil thickness).
- Available in VP standard @ 37.5" width (16 mil thickness).
- AquaBarrier VP Tapes available in 4 in, 6 in, 9 in, 12 in and 18 in widths (16 mil thickness).

# AquaBarrier™ & AcrylicStick™ SA

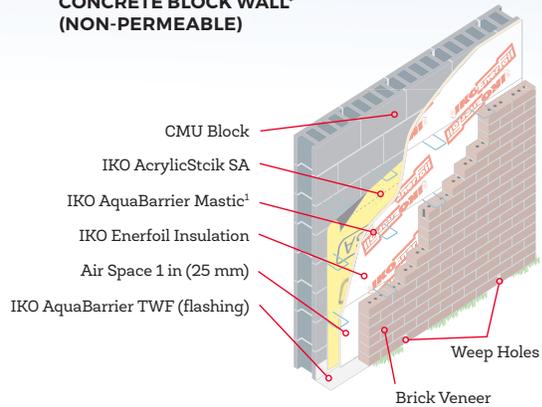
## Air & Vapour Barriers

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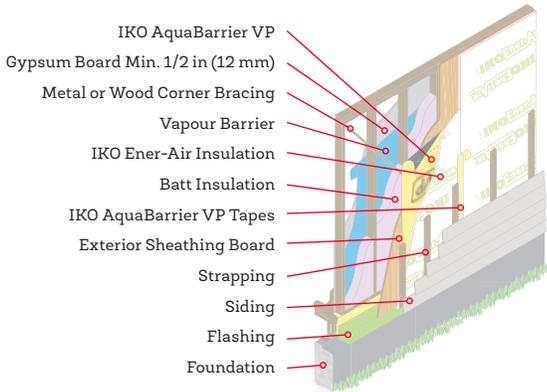
### NEW FRAME CONSTRUCTION SIDING



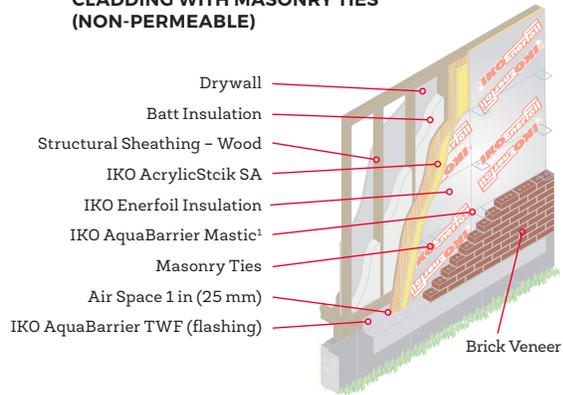
### CONCRETE BLOCK WALL\* (NON-PERMEABLE)



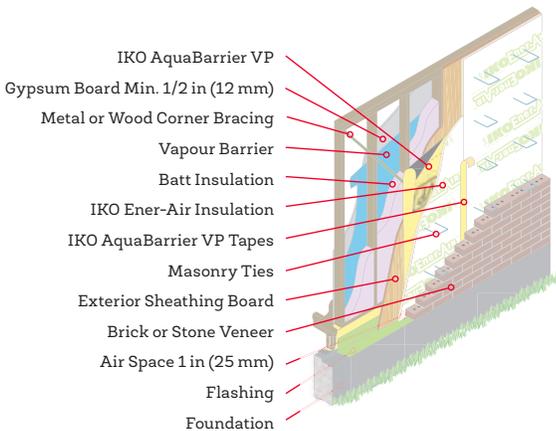
### RETROFIT APPLICATION SIDING



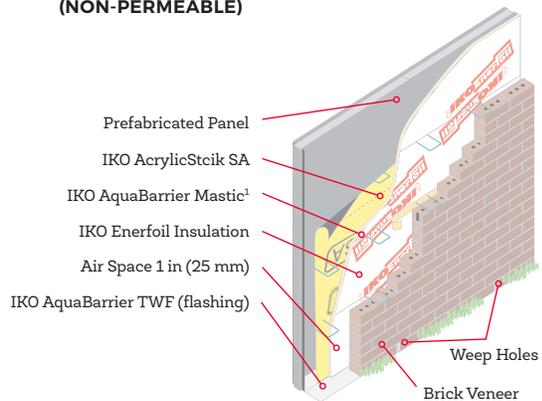
### CLADDING WITH MASONRY TIES\* (NON-PERMEABLE)



### NEW FRAME CONSTRUCTION BRICK VENEER



### PREFABRICATED PANELS\* (NON-PERMEABLE)



<sup>1</sup>IKO AquaBarrier AVB with S.A.M Adhesive can also be used in these assemblies. <sup>2</sup>When using IKO approved primers, adhesives or mastics, use in a well ventilated area. Avoid breathing vapour. Recommended to wear solvent resistant gloves and NIOSH approved respirator. Drawings are for illustration purposes only. Consult your local design professional.

### Draft Specifications

- Draft specs are available from [IKO.COM/COMM](http://IKO.COM/COMM) or your local IKO commercial representative.

### Technical Support

- Hands-on demonstrations and applicator training.
- On-site reviews.
- Specification assistance.

### Codes & Approvals

- ASTM E2357-11 and CAN/ULC S-742 (test methods for determining air leakage of air barrier assemblies) tested and approved.

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### ACCESSORY PRODUCTS

#### IKO S.A.M. Adhesive and S.A.M. Adhesive LVC (Low VOC)

- Solvent-based surface preparation intended for use with IKO self-adhering roof membranes and IKO AquaBarrier self-adhering membranes products.
- These adhesives are suitable for use on most substrates, including wood, glass mat, gypsum core sheathing, masonry, concrete and metal.
- IKO S.A.M. Adhesive may be applied by using a brush or roller, or by mechanically spraying and may be easily cleaned with mineral spirits or Xylene.

#### AquaBarrier TWF (Through-Wall Flashing)

- AquaBarrier TWF is ideal for more demanding applications and transition areas where higher tensile and puncture resistance are required.
- AquaBarrier TWF is a cold-applied, self-adhering sheet membrane designed for use as a TWF system.

#### AquaBarrier Mastic

- IKO AquaBarrier Mastic is a modified asphalt sealant that is formulated with synthetic rubbers for longevity and glass fibres for extra strength.
- It can be applied in temperatures from -10°C (14°F) to 50°C (122°F) on damp or dry surfaces and will not slump or pull away from the substrate.
- IKO AquaBarrier Mastic sealant is fully compatible with IKO waterproofing, air and vapour barrier and roofing systems, and is intended for penetration areas.



### AquaBarrier Self-Adhering Building Envelope Membrane System

CHARACTERISTICS	AquaBarrier AVB Low Temp	AquaBarrier AVB	AquaBarrier Tapes	AcrylicStick SA	AcrylicStick SA Tapes	AquaBarrier VP	AquaBarrier VP Tapes
Length	22.86 m (75 ft)			22.86 m (75 ft)		30.5 m (100 ft)	
Width	457 mm (18 in) 610 mm (24 in) 914 mm (36 in)		75 mm (3 in) 102 mm (4 in) 152 mm (6 in) 229 mm (9 in) 300 mm (12 in)	914 mm (36 in)	102 mm (4 in) 152 mm (6 in) 229 mm (9 in) 305 mm (12 in) 457 mm (18 in)	1 m (37.5 in)	102 mm (4 in) 152 mm (6 in) 229 mm (9 in) 300 mm (12 in) 457 mm (18 in)
Thickness	1 mm (40 mils)	0.625 mm (25 mils)	1 mm (40 mils)	0.25 mm (10 mils)		0.4 mm (16 mils)	
Units per Pallet	457 mm (18 in) = 50 610 mm (24 in) = 50 914 mm (36 in) = 30	60 boxes (1 per box)	75 mm (3 in) = 25 boxes (12 per box) 102 mm (4 in) = 25 boxes (9 per box) 152 mm (6 in) = 25 boxes (6 per box) 229 mm (9 in) = 25 boxes (3 per box) 300 mm (12 in) = 25 boxes (2 per box)	80 rolls	60 boxes (1 per box)	56	60 boxes (1 per box)
Pallet Size	132 cm x 111 cm (52 in x 44 in)						

Note: After installation of AquaBarrier AVB, it is important to apply the insulation and exterior veneer over the product as soon as is practical in order to reduce exposure to the elements. If left exposed for more than 30 days, keep a protective covering over the product's sheathing to protect it from environmental damage. The information in this document is subject to change without notice. IKO assumes no responsibility for errors that may appear in this document. All values shown are approximate. Please refer to Product Data Sheets for more technical information.

The information on this sheet is based on data considered to be true and accurate based on periodic internal testing and production measurements at time of manufacture. The information is offered solely for the user's consideration, investigation and verification. Nothing contained herein constitutes or represents a warranty or guarantee for which the manufacturer can be held legally responsible.

Find out more about our roofing, waterproofing and insulation products now by talking to an IKO sales representative or your professional contractor, or contact us directly at: **Canada 1-855-IKO-ROOF (1-855-456-7663), United States 1-888-IKO-ROOF (1-888-456-7663),** or visit our website at: **IKO.COM/COMM.**