

# Keene Driwall Fluid Applied AWB-VB



## Description

Driwall Fluid Applied AWB-VB is the vapor barrier version of our Driwall Fluid Applied AWB-HP. Driwall Fluid Applied AWB-VB is a high quality roll applied flexible air and water barrier. Easily applied with a trowel, brush, roller, hopper gun or airless sprayer. Driwall Fluid Applied AWB-VB forms a continuous air, water, and vapor barrier that protects approved substrates from incidental water damage.

## FEATURES & BENEFITS

- 100% Coverage
- Class 1 Vapor Retarder
- Vapor impermeable, 0.07 perms
- Doesn't rattle in the wind
- Used as water barrier and flashing
- Compatible with Driwall Fluid Applied AWB-HP, TG and Keene Liquid Flash
- Adheres to most common building materials
- Easy to apply, water based for easy cleanup
- Low VOC

## APPLICATION PROCEDURE

### JOB CONDITIONS

Air and substrate temperature for application of Driwall Fluid Applied AWB-VB must be 40°F (5°C) or higher and must remain 40°F (5°C) or higher for a minimum of 24 hours. Provide temporary protection to protect the wall system from damage until permanent flashings, caps and sealants are installed. Store materials within prescribed temperature limits and out of direct sunlight. Working and drying times are based upon normal room temperature conditions and will vary with temperature and humidity.

### PREPARATION

The substrate must be approved by Keene Building Products, clean, dry, structurally sound and free of efflorescence, oil, grease, form release agents and curing compounds or anything that would affect bond. Painted surfaces are not acceptable and must be removed. Substrates must be flat and free of fins or planar irregularities greater than 1/4" in 10'-0" (6.35 mm in 3.05m).

### CONCRETE

Must have cured a minimum of 28 days prior to the application of Driwall Fluid Applied AWB-VB. If form release agents or curing compounds exist on the surface, they must be removed with a solution of muriatic acid or similar product (with appropriate precautions). Remove any residual acid by flushing with water.

### BRICK / MASONRY

If joints are not struck flush, multiple coats may be required. Contact Keene Building Products for more information.

## Systems

Keene Driwall Fluid Applied AWB

Common Cladding Systems:

- Stucco / Siding Veneer
- Stone / Brick / Metal Panels / etc.

VOC: <1% by Weight

VOC: <50 g/l

Manufacture Locations:

30058 • 77474 • 84651

Vapor Impermeable

Class 1 Vapor Retarder

**Packaging:** 5 gallon (19L) pail

**Pail Weight:** 55 lbs (25 kg)

**ShelfLife:** 2 years

**Coverage (estimated per pail):**

**Roller:** 225-250 sf (21-23 sm)

**Trowel:** 100-125 sf (9-11.6 sm)

**Spray:** 150-175 sf (14-16 sm)

Coverage with two coats

**Dry to Touch:** 1 hour @ room temp

**Recoat Time:** 2 hours @ room temp

**Drying Time:** 12 hours @ room temp

**Application Range:** 40°-110°F (5°-43° C)

**Exposure:** Up to 6 months

**Shelf Life:** 2 years

\*Working and drying time will vary with temperature and humidity\*

## Product Test Standards

ASTM C297/E2134, ASTM D2247, ASTM E72, ASTM E84, ASTM E96 (0.07 perms @ 19-25 mils - desiccant method, 1.35 perms wet method), ASTM E331, ASTM E1233, ASTM E2178 (0.00002 cfm/ft<sup>2</sup>), ASTM E2357 (0.003 L/s.m<sup>2</sup> @ 75 Pa, 0.02 L/s.m<sup>2</sup> @ 300 Pa), ASTM E2485, AATCC 127, ICC ES (AC 212), NFPA 285



- Temp: 40°-110°F (5°-43° C)
- Dry to Touch: 1 hour
- Dry Time: 12 hours at room temperature

\* Working and drying time will vary with temperature and humidity \*

## APPLICATION PROCEDURE CONTINUED:

### Sheathing Applications

Sheathing gaps must be less than 1/4" (6.4 mm). Do not exceed gaps larger than 1/4" (6.4 mm) use with Driwall Fabric Seam Tape. Gap wood-based sheathing per manufacturers recommendations, typically 1/8" (3.2 mm) minimum.

### Mixing

Thoroughly stir Driwall Fluid Applied AWB-VB into a homogenous consistency. Do not add water, over mix, or add accelerators or retarders to Driwall Fluid Applied AWB-VB.

### Application

Driwall Fluid Applied AWB-VB is applied by first treating the joints and fastener locations where sheathing is used, then coating the entire surface with 2-coats of 15-mils wet (10 mils dry) using brush, roller, trowel or airless spray equipment techniques. When using a foam roller, a maximum 3/4" (19 mm) nap is recommended. Apply Driwall Fluid Applied AWB-VB in an even, continuous coat, maintaining a wet edge of approximately 15 mils thickness. For moisture protection, Driwall Fluid Applied AWB-VB must be applied as a continuous barrier of 20 mils dry thickness with no breaks or skips, although some areas will appear lighter than others due to the application process. The Driwall Fluid Applied AWB-VB application need not look like a painted surface.

### Joint Treatment

Apply a thin layer of Driwall Fluid Applied AWB-VB to the joints and embed Driwall Fabric Seam Tape into the wet mixture and get out any wrinkles.

Driwall Fluid Applied AWB-VB may be flashed into window, door and other openings using the same techniques for sheathing applications. Any remaining gaps should be filled with Driwall Fluid Applied AWB-VB and Driwall Fabric Seam Tape.

### Wall Treatment

Apply Driwall Fluid Applied AWB-VB to the wall surface using roller, trowel or by spray applying and backrolling to a uniform thickness of 20 mils with no pinholes or voids.

### Clean Up

Tools and equipment can be cleaned with soapy water when Driwall Fluid Applied AWB-VB is wet.

## Spray Application

Rollershield-VB is compatible with GRACO and Titan airless spray equipment with the following specifications:

- Minimum 1 gallon per minute output.
- Minimum hose width of 3/8 inch.
- Minimum tip size of 0.027–0.031.

Minimum pressure requirement to spray of 2,000 psi at the gun with an airless sprayer rated no lower than 3,300 psi. Remove all filters in sprayer and gun before application.

Hopper Gun: 3/16"-1/4" (6-6.5 mm) orifice, 23-25 psi.

## Approved Substrates

Exterior gypsum sheathing (ASTM C1396)

Glass Fiber Exterior Sheathing (ASTM C1177)

Dens Glass Gold®, GlasRoc® FiberBond®, Gold Bond e2xp®, etc.

Cement Board Substrates

Durock®, PermaBase®, ProTEC®,

SelectCrete, Util-A-Crete®, etc.

Concrete

Brick

Masonry

Exterior Plywood

Oriented Strand Board

Others approved in writing

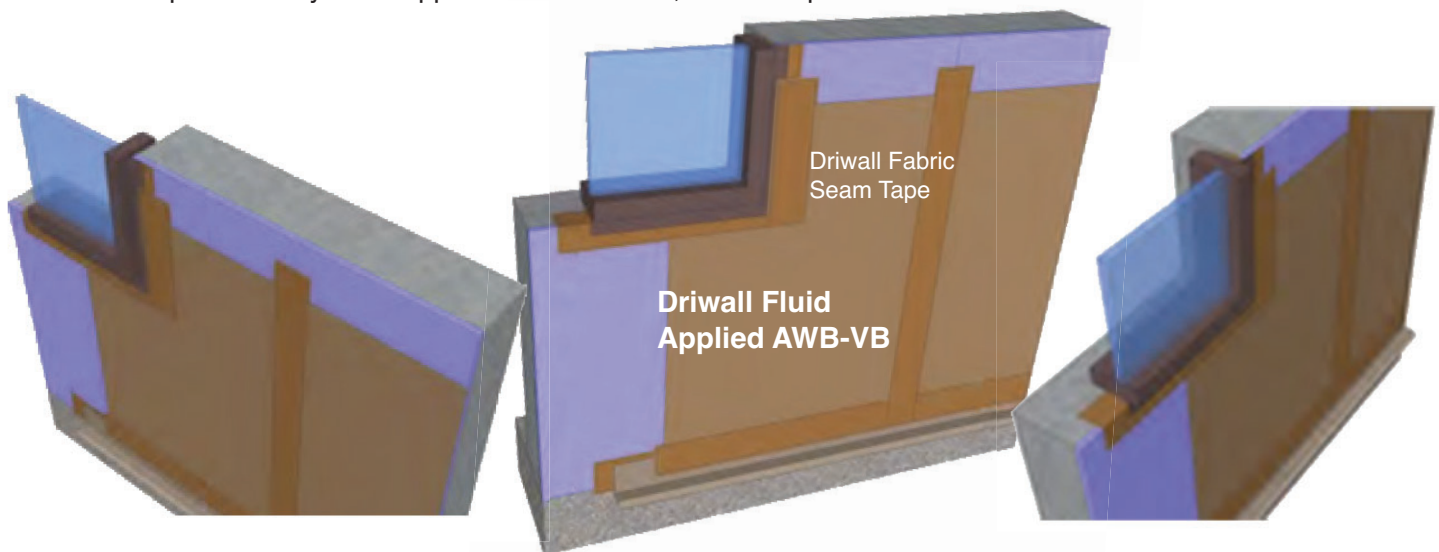
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## APPLICATION PROCEDURE CONTINUED:

### LIMITATIONS:

1. Not for use as an exterior finish.
2. Do not use Driwall Fluid Applied AWB-VB where Driwall Fluid Applied AWB-HP will provide satisfactory performance.
3. Avoid forming a double vapor barrier such as using Driwall Fluid Applied AWB-VB with thick insulation board or insulation boards that are vapor barriers.
4. Do not install vapor barriers on both sides of assemblies – i.e. “double vapor barriers” in order to facilitate assembly drying in at least one direction.
5. Design the vapor barrier for placement on the warm side of the wall.
6. Avoid installation of interior vapor barriers such as polyethylene vapor barriers, foil faced batt insulation and reflective radiant barrier foil insulation on the interior of air conditioned assemblies.
7. Do not install vinyl wall coverings on the inside of air-conditioned exterior wall assemblies.
8. Enclosures should be ventilated to meet ASHRAE Standard 62.2 or 62.1. Limitations.
9. When adhering Cement Based products to the surface assure it is clean, dry and free of surface contamination. Remove any dirt or surface contamination before adhesive attachment.
10. Allowable in-service temperature range: -40° to 180°F (-40° to 82°C).
11. Fire-retardant or pressure treated plywood must be dry with surface free of salts or other chemicals migrating from within the wood. Test adhesion to be sure of desired results.
12. Use a slip sheet, typically one layer of building paper between Driwall Fluid Applied AWB-VB and stucco or adhered masonry veneer over metal lath. Information contained in this product data sheet conforms to the standard detail recommendations and specifications for the installation of Keene Building products and is presented in good faith. Keene Building Products assumes no liability, expressed or implied as to the architecture, engineering, or workmanship of any project. This information may be concurrent with, or superseded by other applicable documents, such as specifications and details.



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