

Installation Guidelines

Driwall™ Air Weather Barrier (AWB) - High Permeability (HP)

A Fluid-Applied Acrylic, Water Based, Flexible Waterproof Air Barrier Membrane

Inspection of Wall Conditions

Ensure that the wall is free from structural defects. Keene Building Products' **Driwall™ AWB - HP** should only be applied to structurally sound surfaces, which incorporate good building practices, and meet all local code requirements. Before starting any applications, check with your local building code requirements and read all manufacturers' installation instructions.

Surface Preparation

Ensure surface is clean, dry and free of frost. It must also be free from all foreign material that may inhibit bonding such as dust, dirt, oil, effluence, soap and other materials that may interfere with the performance of the product.

1. All sheathing must be installed per local building code and manufactures recommendations. The surface must be sound and free of defects, damage and rot. Remove and replace all damaged sheathing before starting application. New concrete and CMU walls must be fully cured. Sheathing must be exterior grade or exposure 1 wood-based sheathing or building code compliant glass-mat gypsum sheathing. Fire-retardant and or pressure treated plywood must be dry with the surface free of salts or other chemicals migrating from within the wood. It is recommended that a test is Pretreat any defects such as knots in wood-based sheathing, vacant fastener holes and minor cracks in concrete (up to 1/16 in wide).
2. Apply only when the surface and ambient temperature are above 40°F (4°C) and below 100°F (38°C) during the application and drying period. It is recommended that application be delayed if ambient temperature is less then 5°F (2.5°C) above the ambient dew point. Cold damp conditions may inhibit and extend curing time requiring an extended period of protection from rain and freezing.

Mixing

Using an electric drill with a clean, rust free paddle: Mix until product is a uniform consistence or for a minimum of 90 seconds whichever is longer. The product must NOT be thinned or diluted.

Application

Exterior Gypsum Sheathing, Glass-Mat Sheathing, Exterior Plywood and Oriented Strand Board (OSB)

Spray:

Use spray equipment that can deliver a minimum of 1 gal per minute and a 0.013 mil tip at 3000+psi. Apply to a uniform thickness of 10 mils wet.

Roller:

Use a 1/2 in (13 mm) synthetic nap roller. Apply to a uniform coat to a thickness of 10 mils wet. OSB may require touch up with a second coat where the wood strands have raised from the surface. Inspect the surface after the initial coat, add touch up as needed.

Note: All seams, joints, inside corners, outside corners, transitions and rough openings must be treated with Keene's Driwall™ AWB – Seam Fabric (SM). See appropriate installation instructions for more information on proper installation (document: KA-02017).

Concrete Masonry Wall and CMU

Spray:

Use spray equipment that can deliver a minimum of 1 gal per minute and a 0.013 mil tip at 3000+psi. Back roll with a 1/2 in (13 mm) synthetic nap roller to fill the surface and produce a uniform coating. Allow to dry. Apply a second uniform coat and back-roll to achieve a void and pinhole free surface. Apply Keene's Driwall AWB – HP to a minimum 10 mil wet up to 30 mil wet thickness. Apply additional touch-up coating to ensure a void and pinhole free surface.

Roller:

Use a ¾ in to 1 in (19 mm to 25 mm) synthetic nap roller. Apply to a uniform coat of Keene Driwall AWB – HP and allow to dry. Apply a second uniform coat to achieve a void and pinhole free surface. Depending on the wall condition the coating will need to be applied to a minimum 10 mil wet up to 30 mil wet thickness. Apply additional touch-up coating to ensure a void and pinhole free surface.

Note: Keene's Driwall AWB – HP is engineered to function as a waterproof air barrier on normal weight CMU wall construction with flush or concave joints when a minimum of two liberal coats are applied. Additional coats may be required the CMU surface, CMU porosity, joint profile, and other variables that may exist.

Precautions

Use **Keene Building Products Driwall™ Rainscreen** when installing stucco or adhered masonry veneer over lath. When attaching lath ensure fasteners go into framing supports and not into sheathing between framing supports. It is recommended that power, powder actuated or other fastening tools/methods that may damage the water resistive barrier of substrate.

Drying and Curing Time

Under normal conditions, 70°F (21°C) 50% RH, product will dry to the touch within 2 to 4 hours. Final curing will depend on ambient conditions. Under normal conditions final cure should take place in 24 hours. Protect from rain and freezing until product has finished curing. If temporary heater is used due to ambient conditions, ventilate to outside to ensure water vapor does not accumulate on or within wall assembly.

Shelf Life and Storage

Shelf life is 18 month if stored and sealed properly. Store in a cool dry area and keep out of direct sunlight. Protect from freezing and from extreme heat - 90°F (32°C). Seal container when not in use to protect from skinning. If skin develops, remove skin and remix.

Health and Safety

The product is water based. As with any chemical construction product exercise caution when handling. May cause eye and or skin irritation. Follow all local safety regulations. Wear proper protective gloves, protective clothing, eye protection and face protection when installing product. Wash hand thoroughly with soap and water after handling

Spills: Dry Stage: Sweep and dispose of in proper receptacle. Wet Stage: Collect with suitable absorbent material then dispose of in suitable receptacle. NOT, Keep out of sewers and other public water systems

Disposal: Dispose of in accordance with all local, state, and federal regulations.

First Aid

- Get immediate medical attention
- Eye Contact: Immediately flush eyes with plenty of water for at least 15 to 20 minutes. Ensure adequate flushing of eyes by separating eyelids with fingers. Get immediate medical attention.
- Skin Contact: Remove contaminated clothing and shoes. Immediately wash skin with plenty of soap and water for 15 to 20 minutes. If irritation develops or persists, seek medical attention.
- Inhalation: If inhaled, immediately remove to fresh air. If not breathing give oxygen by trained personnel and seek medical attention.
- Ingestion: if swallowed, do NOT induce vomiting. Call physician or poison control center immediately. Never give anything by mouth to an unconscious person. Get immediate medical attention.