

## Installation Guidelines

# Driwall™ Air Weather Barrier (AWB) - High Build (HB)

A Fluid-Applied Acrylic, Water-Based, High Build Vapor Permeable Air Weather Barrier

## Inspection of Wall Conditions

Ensure that the wall is free from structural defects. Keene Building Products' **Driwall™ AWB - HB** 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

Approximate film thicknesses:

- 20 mils wet to achieve a minimum 12 mil dry film thickness – for EIFS
- 50 mils wet to achieve a minimum 30 mil dry film thickness – for other cladding
- 60 mils wet to achieve a minimum 40 mil dry film thickness – for applications where 40 mil dry film thickness is required

### Spray:

Spray application is recommended when thick film builds (greater then 20 mil wet) are desired. Use airless spray equipment that has to ability to pump a minimum of 1gal (3.8L) per minute at 3000psi. Suggested tip size is 0.029. Pressure and tip size may vary depending on the equipment used.

To achieve the total film build it may be necessary to apply a second coat. This can be achieved by allowing the material to begin to set up. Typical this takes approximately one hour depending on ambient conditions. At this point a second coat can be applied to achieve the required film thickness. Alternatively, is it is not possible to apply a second coat while the first coat is still "tacky," allow the first coat to fully dry then apply a second coat to achieve the required film thickness.

Concrete Masonry Units may require back rolling of the first pass. Us a ¾ in to 1 in (19 mm to 25 mm) synthetic nap roller depending on porosity, joint profile, trueness of wall surface, and other variability that may exist. Care needs to be taken to avoid excess build-up of wet material to prevent sagging especially on non-porous surfaces and during cold or damp weather.

## Roller:

Roller application is recommended for film builds of 20 mils wet. Roller application is also recommended at detail areas such as treatment of sheathing joints and rough openings with Keene's Driwall™ Air Weather Barrier (AWB) – Seam Fabric (SF). Use a ¾ in to 1 in (19 mm to 25 mm) synthetic nap roller.

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

## 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 not 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.