

## Installation Instructions

# Driwall™ Rainscreen

A Drainage and Ventilation Mat

## Inspection of Wall Conditions and Weather Barrier/Building Wrap

Ensure that the wall is free from structural defects, any membranes or flashing are properly installed, and that the final system will have a path for moisture to escape from the wall. Keene Building Products Rainscreen 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.

### Applications

- If Cladding used is Stucco, Manufactured Stone, Thin Stone Veneer, Shingles, or Fiber-Cement Siding
- **Use - Driwall™ Rainscreen 013-1; 020-1; or 10MM**
- If Cladding used is Heavy Natural Stone or Bricks
- **Use Driwall™ Rainscreen 075-1**

## Installation Guide for Stucco, Manufactured Stone and Thin Stone Veneer

*(USE Driwall™ Rainscreen 013-1; 020-1; or 10MM)*

1. Install building paper or WRB\* and flashing according to manufacturers' recommendations & building codes.
2. Place Driwall™ Rainscreen horizontally against exterior wall, fabric side out or facing the street. The entangled core should face the building interior.
3. Starting at the bottom of the wall, position the first piece of Driwall™ Rainscreen where the bottom edge of the cladding will meet the Driwall™ Weep Screed or similar.
4. Where Driwall™ Weep Screed or similar meets the drainage mat, be sure to fold the Driwall™ Rainscreen excess fabric overlap back into itself to create a built-in bug-screen at the bottom of the wall.
5. Mechanically fasten with a nail, staple, or screw. Use the fabric guidelines for recommended fastener spacing. When installing over concrete or block back-up walls that do not accept mechanical fasteners, hold in place with small dabs of glue every two feet. **DO NOT FASTEN THROUGH FLASHING.** See fastener details below.
6. Seam adjacent Driwall™ Rainscreen piece with the selvage edge overlapping the top of the lower piece. Butt joint the mats at vertical seams. It is recommended to continuously wrap the corners.
7. Trim Driwall™ Rainscreen around all penetrations, windows and doors. Be sure to not damage any flashing or WRB's underneath.
8. Install lath over the Driwall™ Rainscreen according to the stone manufacturers' recommendations.
9. Apply scratch coat according to stone manufacturers' recommendations.
10. Install stucco, manufactured stone or thin stone according to guidelines. Guidelines should include a weep method for ventilation and drainage.

### Fastener Details

Ensure sufficient fasteners are used to secure the rainscreen until the final cladding is installed.

All fasteners shall adhere to national standards.

All fasteners to be of exterior grade.

Minimum 1/4" bite into sheathing.

## Installation Guide for Siding, Shingles and Fiber-Cement Siding

**(USE Driwall™ Rainscreen 013-1; 020-1; or 10MM)**

1. Install building paper or WRB\* and flashing according to manufacturers' recommendations & building codes.
2. Place Driwall™ Rainscreen horizontally against exterior wall, fabric side out or facing the street. The entangled core should face the building interior.
3. Starting at the bottom of the wall, position the first piece of Driwall™ Rainscreen where the bottom edge of the cladding will meet the Driwall™ Weep Screed or similar.
4. Where Driwall™ Weep Screed or similar meets the drainage mat, be sure to fold the Driwall™ Rainscreen excess fabric overlap back into itself to create a built-in bug-screen at the bottom of the wall.
5. Mechanically fasten with a nail, staple, or screw. Use the fabric guidelines for fastener spacing. When installing over concrete or block back-up walls that do not accept mechanical fasteners, hold in place with small dabs of glue every two feet. **DO NOT FASTEN THROUGH FLASHING.** See fastener details above.
6. Seam adjacent Driwall™ Rainscreen piece with the selvage edge overlapping the top of the lower piece. Butt joint the mats at vertical seams. It is recommended to continuously wrap the corners.
7. Trim Driwall™ Rainscreen around all penetrations, windows and doors. Be sure to not damage any flashing or WRB's underneath.
8. Install siding, shingles or fiber-cement siding according to manufacturers' recommendations. When choosing fastener, allow for thickness of Driwall™ Rainscreen. Pneumatic nail guns can be used if nails meet manufacturers' recommendations and air pressure and depth gauge is set to fasten nail snug with surface.

## Installation Guide for Natural Stone

**(USE Driwall™ Rainscreen 075-1)**

1. Install building paper or WRB\* and flashing according to manufacturers' recommendations.
2. Install only as much Driwall™ Rainscreen 075-1 as will be covered by the stone each day.
3. Place Driwall™ Rainscreen horizontally against exterior wall, fabric side out. The entangled core should face the building interior. Starting at the bottom of the wall, position the first piece of Driwall™ Rainscreen where the bottom edge of the stone will meet the brick ledge.
4. Where Driwall™ Rainscreen meets the brick ledge, be sure to fold the Driwall™ Rainscreen excess fabric overlap back into itself to create a built-in bug-screen.
5. Mechanically fasten with a nail, staple, or screw. Use the fabric guidelines for fastener spacing. When installing over concrete or block back-up walls that do not accept mechanical fasteners, hold in place with small dabs of glue every two feet. **DO NOT FASTEN THROUGH FLASHING.** See fastener details above.
6. Seam adjacent Driwall™ Rainscreen piece with the selvage edge overlapping the top of the lower piece. Butt joint the mats at vertical seams. It is recommended to continuously wrap the corners.
7. To create Weep Vents, use Driwall™ Weep Vents (2.5" X 3.5" pre-cut strips) or similar OR cut additional 4.0"- (10-cm)-wide by 12.0"- (30-cm) long pieces of Driwall™ Rainscreen and place strips vertically on top of flashing every 2 feet (60 cm) on center at the base of the wall extending outside of the wall as a weep vent. Place the strips fabric-side OUT.
8. Install natural stone.
9. When wall is complete, cut vent strips back so that they are flush with wall.

## Installation Guide for Brick

**(USE Driwall™ Rainscreen 075-1)**

1. Install building paper or WRB\* and flashing according to manufacturers' recommendations.
2. Install only as much Driwall™ Rainscreen 075-1 as will be covered by the brick each day.
3. Place Driwall™ Rainscreen horizontally against exterior wall, fabric side out. The entangled core should face the building interior. Starting at the bottom of the wall, position the first piece of Driwall™ Rainscreen where the bottom edge of the brick will meet the brick ledge.
4. Where Driwall™ Rainscreen meets the brick ledge, be sure to fold the Driwall™ Rainscreen excess fabric overlap back into itself to create a built-in bug-screen.
5. Mechanically fasten with a nail, staple, or screw. Use the fabric guidelines for fastener spacing. When installing over concrete or block back-up walls that do not accept mechanical fasteners, hold in place with small dabs of glue every two feet. **DO NOT FASTEN THROUGH FLASHING.** See fastener details above.
6. Seam adjacent Driwall™ Rainscreen piece with the selvage edge overlapping the top of the lower piece. Butt joint the mats at vertical seams. It is recommended to continuously wrap the corners.
7. Install brick according to the Brick Institute or manufacturers' recommendations, leaving an open head joint every 2.0 feet (60 cm).
8. Use Keene Driwall™ Weep Vents to create the open head joint during construction.

WRB\* = Water-Resistive Barrier