

## 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.

## Product Selection

- For **Manufactured Stone and Thin-Set Natural Stone**, use **Driwall™ Rainscreen 013-1 or 020-1**
- For **Stucco**, use **Driwall™ Rainscreen 013-1 or 020-1**
- For **Natural Stone**, use ANY Driwall™ Rainscreen product
- For **Brick**, use ANY Driwall™ Rainscreen product
- For **Siding, Shingles and Fiber-Cement Siding**, use **Driwall™ Rainscreen 013-1 or 020-1**

## Installation Guide for Manufactured Stone and Thin-Set Natural Stone

**(USE Driwall™ Rainscreen 013-1 or 020-1 ONLY)**

1. Install building paper or WRB\* and flashing according to manufacturers' recommendations.
2. 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 Driwall™ Weep Scream.
3. Mechanically fasten with a cap nail, cap staple, or cap screw; one fastener for each square foot. 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.**
4. Seam adjacent Driwall™ Rainscreen piece with the selvage edge overlapping the top of the lower piece.
5. Trim Driwall™ Rainscreen around all penetrations, windows and doors.
6. Install expanded metal lathe over the Driwall™ Rainscreen according to the stone manufacturers' recommendations.
7. Apply scratch coat according to stone manufacturers' recommendations.
8. Install manufactured stone according to guidelines. Guidelines should include a weep method for ventilation and drainage.

## Installation Guide for Stucco

**(USE Driwall™ Rainscreen 013-1 or 020-1 ONLY)**

1. Install building paper or WRB\* and flashing according to manufacturers' recommendations.
2. 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 stucco will meet the Driwall™ Weep Scream.
3. Mechanically fasten with a cap nail, cap staple, or cap screw; one fastener for each square foot. 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.**
4. Seam adjacent Driwall™ Rainscreen piece with the selvage edge overlapping the top of the lower piece.
5. Trim Driwall™ Rainscreen around all penetrations, windows and doors.
6. Install expanded metal lathe over the Driwall™ Rainscreen according to the manufacturers' recommendations.
7. Apply stucco according to manufacturers' recommendations. Guidelines should include a weep method for ventilation and drainage.

## Installation Guide for Natural Stone, Brick, Siding, Shingles and Fiber-Cement Siding

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## Installation Guide for Natural Stone

1. Install building paper or WRB\* and flashing according to manufacturers' recommendations.
2. Install only as much Driwall™ Rainscreen 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. Mechanically fasten with a cap nail, cap staple, or cap screw; one fastener for each square foot. 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.
5. Seam adjacent Driwall™ Rainscreen piece with the selvage edge overlapping the top of the lower piece.
6. To create Weep Vents, use Driwall™ SS Weep Cut (4"x12" pre-cut stripes) 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.
7. Install natural stone.
8. When wall is complete, cut vent strips back so that they are flush with wall.

## Installation Guide for Brick

1. Install building paper or WRB\* and flashing according to manufacturers' recommendations.
2. Install only as much Driwall™ Rainscreen 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. Mechanically fasten with a cap nail, cap staple, or cap screw; one fastener for each square foot. 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.
5. Seam adjacent Driwall™ Rainscreen piece with the selvage edge overlapping the top of the lower piece.
6. Install brick according to the Brick Institute or manufacturers' recommendations, leaving an open head joint every 2.0 feet (60 cm).
7. Use Keene Driwall™ Weep Vents to create the open head joint during construction.

## Installation Guide for Siding, Shingles and Fiber-Cement Siding (USE Driwall™ Rainscreen 013-1 or 020-1 ONLY)

1. Install building paper or WRB\* and flashing according to manufacturers' recommendations.
2. Place Driwall™ Rainscreen horizontally against exterior wall, fabric side out. The entangled core should face the building interior. Start at the bottom of the wall and work up.
3. Mechanically fasten with a cap nail, cap staple, or cap screw; one fastener for each square foot. When installing over concrete or block back-up walls that do not accept mechanical fasteners, hold in place with small dabs of Construction Adhesive every two square feet. DO NOT FASTEN THROUGH FLASHING.
4. Seam adjacent Driwall™ Rainscreen piece with the selvage edge overlapping the top of the lower piece. Shingle so that selvage edge is installed toward the bottom of the wall.
5. Install siding, shingles and 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.

WRB\* = Water-Resistive Barrier



P.O. Box 241353

Mayfield Heights, OH 44124

Info@KeeneBuilding.com

KeeneBuilding.com

877 | 514 | 5336

P 440 | 605 | 1020

F 440 | 605 | 1120

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