

## Moisture & Ventilation



“If we can keep the air moving & the mortar dams to a minimum, we can keep the potential for water passing back to a minimum.”

*Jim Keene*

**DRI WALL**<sup>TM</sup>  
DRI WALL

- Products for Brick & Natural Stone
  - **DRI WALL**<sup>TM</sup> Rainscreen & Mortar Deflection
  - **DRI WALL**<sup>TM</sup> Rainscreen Installation Instructions
- Products for Manufactured Stone & Stucco
  - **DRI WALL**<sup>TM</sup> Rainscreen 020-1
  - Weep Screed Flashing
  - **DRI WALL**<sup>TM</sup> Rainscreen Installation Instructions
- **DRI WALL**<sup>TM</sup> Products

**keene**<sup>TM</sup>  
building products

# Products for Brick & Natural Stone

• For **Brick & Natural Stone** use ANY Driwall™ Rainscreen products

**Driwall™ Rainscreen 020-1**

**Driwall™ Rainscreen 025**

**Driwall™ Rainscreen 025-1**

**Driwall™ Rainscreen 040**

**Driwall™ Rainscreen 040-1**

**Driwall™ Rainscreen 040-1 HP**

**Driwall™ Rainscreen 075**

**Driwall™ Rainscreen 075-1**

**Driwall™ Rainscreen 075-1**

**Commercial**

**Driwall™ Mortar Deflection 0.5-040**

**Driwall™ Mortar Deflection 1.0-075**

**Driwall™ Mortar Deflection 2.0-160**

**GREAT FOR BRICK APPLICATIONS**



## Rainscreen Installation Instructions

### Brick

1. Install building paper or house wrap & flashing to manufactures recommendations.
2. Install only as much Driwall™ Rainscreen as will be covered by the stone each day. Wall ties can be installed over top of the Driwall™ Rainscreen material.
3. Place Driwall™ Rainscreen horizontally against exterior wall fabric side out, entangled core to 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 ledger board.
4. Mechanically fasten with a staple hammer, large head nail or washer & 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 piece with the selvage edge overlapping the top of the lower Driwall™ piece.
6. Install brick according to Brick Institute or manufactures recommendation 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.

### Natural Stone

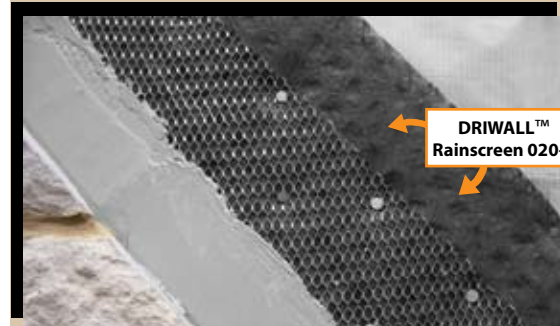
1. Install building paper or house wrap & flashing to manufactures recommendations.
2. Install only as much Driwall™ Rainscreen as will be covered by the stone each day. Wall ties can be installed over top of the Driwall™ Rainscreen material.
3. Place Driwall™ Rainscreen horizontally against exterior wall fabric side out, entangled core to 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 ledger board.
4. Mechanically fasten with a staple hammer, large head nail or washer & 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 piece with the selvage edge overlapping the top of the lower Driwall™ piece.
6. Cut additional 2.0"(5 cm) wide by 12.0" length (30 cm) pieces of Driwall™ Rainscreen & place strips every 2 feet (60 cm) on center at the base of the wall extending a outside of the wall as a weep vent. Place the strips fabric side UP.
7. Install stone.
8. When wall is complete, cut vent strips back flush with wall.

# Keene Building Products

## Products for Manufactured Stone & Stucco

### **Driwall™ Rainscreen 020-1**

Driwall™ Rainscreen 020-1 is a nominal 0.25 inch, randomly oriented geometric patterned drainage & ventilation mat. The three dimensional mat is heat laminated to a non-woven fabric to provide an impenetrable surface in masonry walls. It is designed to eliminate moisture & moisture vapor in roofing & siding applications. Driwall™ Rainscreen is produced from an extruded polymer matrix of tangled monofilaments. The monofilaments are heat welded at the junctions to form a resilient structure that spaces siding & roofing away from the inner sheathing. The Product is useful in wall design when a clean cavity is desired, free from ANY excess mortar. When utilized with a non-woven fabric on the outside of Driwall™ Rainscreen, no mortar can enter the cavity & weep vents are assured of being open.



Core Thickness:	Nominal	0.25 in	6 mm
Roll Width:		48 in	123 mm
Roll Length:		100 ft	30.6 m
Roll Weight:		41 lbs	21 kg
Roll Diameter		30 in	76 cm

### **Driwall™ Weep Screed**

Driwall™ Weep Screed is used as a flashing and weep when used with weather resistant barrier or building paper and Driwall™ Rainscreen. It provides a clean termination for Stucco, Manufactured Stone and Thin Natural Stone at the bottom of the wall. Unique V shape allows migration of moisture down the screed and away from the wall. As required by all major building codes and the International Building Code at the bottom of all framed walls.

Install Driwall™ Weep Screed on frame construction where stucco, manufactured stone or thin natural stone and foundation wall meet. Shall be used where specified by the architect and installed per industry standards and according to local code. Caulk all butt joints, intersections and ends.



3 ½ Inch (89 mm) Nailing & Flashing Flange  
¾ Inch (19 mm) V-Shaped Drip Edge  
10 Foot Lengths  
PVC Material meets ASTM Standards  
D1784, C1063 & D4216-99

## Rainscreen Installation Instructions

### **Stucco**

1. Install building paper or house wrap & flashing to manufactures recommendations
2. Place Driwall™ Rainscreen 020-1 horizontally against exterior wall fabric side out, entangled core to the building interior. Starting at the bottom of the wall, position the first piece of Driwall™ Rainscreen 020-1 where the bottom edge of the stone will meet the ledger board.
3. Mechanically fasten with a staple hammer, large head nail or washer & 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 piece with the selvage edge overlapping the top of the lower Driwall™ piece.
5. Install expanded metal lathe over the Driwall™ Rainscreen 020-1 according to the manufacturer's recommendations.
6. Apply Stucco according to manufacturer's recommendations. Guidelines should include a weep method for ventilation & drainage.
7. Trim Driwall™ Rainscreen 020-1 around all penetrations, windows & doors so that the material is flush to the flashing.

### **Manufactured Stone & Thin Set Natural Stone**

1. Install building paper or house wrap & flashing to manufactures recommendations
2. Place Driwall™ Rainscreen 020-1 horizontally against exterior wall fabric side out, entangled core to the building interior. Starting at the bottom of the wall, position the first piece of Driwall™ Rainscreen 020-1 where the bottom edge of the stone will meet the ledger board.
3. Mechanically fasten with a staple hammer, large head nail or washer & 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 piece with the selvage edge overlapping the top of the lower Driwall™ piece.
5. Install expanded metal lathe over the Driwall™ Rainscreen 020-1 according to the stone manufacturer's recommendations.
6. Apply scratch coat according to stone manufacturer's recommendations.
7. Install manufactured stone according to guidelines. Guidelines should include a weep method for ventilation & drainage.
8. Trim Driwall™ Rainscreen 020-1 around all penetrations, windows & doors so that the material is flush to the flashing.

# Driwall™ Products

	Thickness		Length	Area	Roll Dimension	Roll Weight	Packaging
<b>Driwall™ Rainscreen 020-1</b>	0.25 in	6.0 mm	100 ft	400 sq ft	30x30x48 in	41 lbs	30x30x48 in
<b>Driwall™ Rainscreen 025</b>	0.25 in	6.0 mm	100 ft	400 sq ft	21x21x48 in	35 lbs	21x21x48 in
<b>Driwall™ Rainscreen 025-1</b>	0.29 in	7.0 mm	100 ft	400 sq ft	30x30x48 in	47 lbs	30x30x48 in
<b>Driwall™ Rainscreen 040</b>	0.375 in	9.0 mm	100 ft	400 sq ft	21x21x48 in	35 lbs	21x21x48 in
<b>Driwall™ Rainscreen 040-1</b>	0.375 in	9.0 mm	100 ft	400 sq ft	21x21x48 in	40 lbs	21x21x48 in
<b>Driwall™ Rainscreen 040-1 HP</b>	0.45 in	11.4 mm	100 ft	400 sq ft	24x24x48 in	52 lbs	24x24x48 in
<b>Driwall™ Rainscreen 075</b>	0.75 in	19.0 mm	50 ft	200 sq ft	24x24x48 in	27 lbs	24x24x48 in
<b>Driwall™ Rainscreen 075-1 Commercial</b>	0.75 in	19.0 mm	50 ft	66.6 sq ft	24x24x16 in	9 lbs	24x24x48 in (3 rolls per Bag) 27 lbs
<b>Driwall™ Rainscreen 075-1</b>	0.75 in	19.0 mm	50 ft	200 sq ft	30x30x48 in	29 lbs	30x30x48 in
<b>Driwall™ Mortar Deflection 0.5-040</b>	0.375 in	9.0 mm	50 ft	4.2 yd <sup>2</sup>	20x20x10 in	4 lbs	20x20x40 in (4 rolls per Bag) 16 lbs
<b>Driwall™ Mortar Deflection 1.0-075</b>	0.75 in	19.0 mm	50 ft	4.2 yd <sup>2</sup>	20x20x10 in	5.5 lbs	41x23x23 in (4 rolls per Box) 22 lbs
<b>Driwall™ Mortar Deflection 2.0-160</b>	1.60 in	41.0 mm	25 ft	-	20x20x10 in	5 lbs	41x23x23 in (4 rolls per Box) 20 lbs
<b>Driwall™ Weep Vents</b>	0.375 in	9.0 mm	-	-	2.5x3.5 in (Each)	-	3x8.5x11 in (100 per Box) 2 lbs
<b>Driwall™ Hygric Buffer Mat 075-1</b> <i>(For Use with Foam Insulation)</i>	0.75 in	19.0 mm	50 ft	200 sq ft	23x23x48 in	29 lbs	23x23x48 in



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