Driwall™

Product Submittal Sheet

Description

Driwall™ Rainscreen is a randomly oriented, geometric patterned drainage and ventilation mat. It is designed to eliminate moisture and moisture vapor in masonry and other siding.

Driwall™ Rainscreen is produced from an extruded polymer matrix of tangled monofilaments. The three-dimensional mat is heat-laminated to a non-woven lightweight, breathable fabric in order to provide a separation from cementitious sidings. The monofilaments are heat-welded at the junctions to form a structure that spaces exterior veneer away from the inner sheathing.

The product is useful in cavity wall designs and rainscreen systems in which an airspace is needed for drainage and ventilation. When Driwall™ Rainscreen is used, no mortar or other debris can enter the cavity, which ensures proper drainage and ventilation.

Product: Subject to compliance with requirements, provide DriWall™ as manufactured by Keene Building Products

Manufacturer

Keene Building Products
PO Box 241353
Mayfield Heights, OH 44124
Telephone: 440-605-1020
Email: info@keenebuilding.com

Substitutions

No substitutions permitted.

- ☑ Driwall™: 01-X-0017 – 48″ x 100′ x 1/8″ material
- ☐ Driwall™: 01-X-0019 – 48″ x 65′ x 1/4″ material
- ☐ Driwall™: 01-X-0025 – 48″ x 45′ x 3/8″ material
- ☐ Driwall™: 01-X-0022 – 48″ x 50′ x 3/4″ material

Specification Title: _____

Project: _____ Date: _____

Firm: _____ Phone: _____

Approval: _____ Date: _____

General Contractor: _____

Bid Date: _____

Comments: _____

Product Data

Driwall™ Rainscreen 013-1 (1/8”)

A Drainage and Ventilation Mat

Description

Driwall™ Rainscreen 013-1 3mm is a nominal 0.13-inch, randomly oriented, geometric patterned drainage and ventialtion mat.

It is designed to eliminate moisture and moisture vapor in masonry and other siding. Driwall™ Rainscreen 013 is produced from an extruded polymer matrix of tangled monofilaments. The three-dimensional mat is heat-laminated to a non-woven lightweight, breathable fabric in order to provide a separation from cementitious sidings. The monofilaments are heat-welded at the junctions to form a structure that spaces exterior veneer away from the inner sheathing.

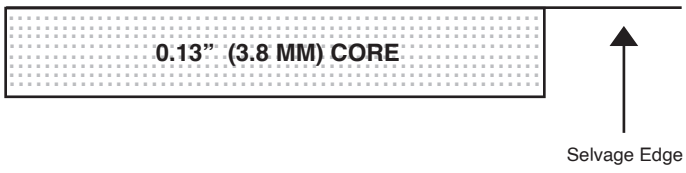
The product is useful in cavity wall designs and rainscreen systems in which an airspace is needed for drainage and ventilation. When Driwall™ Rainscreen is used, no mortar or other debris can enter the cavity, which ensures proper drainage and ventilation.

Applications

- ✔ Stucco
- ✔ Thin stone or brick
- ✔ Manufactured stone
- ✔ Stone and brick masonry
- ✔ Fiber cement board siding
- ✔ Wood siding

Features and Benefits

Driwall Raisncreen products PASS multiple wall assemblies that require NFPA 285
Driwall Raisncreen products have ASTM 2273 approval
Drainage of excess moisture and ventilation in one product
Lightweight and easy to handle
Simple installation with mechanical staple hammer
Polymer core is resistant to most known corrosive chemicals, including solvents
Wide rolls for fewer seams
Core ABSORBS and RELEASES NO MOISTURE
Provides no source for the promotion of MOLD, MILDEW or BACTERIA



Physical Properties

Description	Means of Measurement English/Metric		Value English/Metric	
Flame Spread	ASTM E84		Class A	
Core Polymer		Polymeric		
Thickness	Inches	Mm	0.13	3.8
Total Weight	oz/yd^2	g/m^2	9.0	213.3
Core Weight	oz/yd^2	g/m^2	8.0	189.6
Fabric Weight	oz/yd^2	g/m^2	1.0	23.7

Packaging

Description	Means of Measurement English/Metric		Value English/Metric	
Core Width	Inches	CM	48.0	122
Length	Feet	Meters	100	30.0
Area	Square Feet	Square Meters	400	37.1
Roll Diameter	Inches	CM	16.0	41.0
Roll Weight	Pounds	Kg	35.0	15.8

See installation instructions for methods and procedures.

25 YEAR LIMITED WARRANTY
KEENE BUILDING PRODUCTS, INC. DRIWALL RAINSCREEN
Keene Building Products, Inc. ("Keene") warrants its DRIWALL RAINSCREEN products against defects in material and workmanship for a period of Twenty-Five (25) years from the date of installation. Upon receipt of written notice, which must be given no later than thirty (30) days after discovery of the defect, Keene, at its sole option, will repair or replace the defective items(s) or refund the purchase price. Keene, at its sole option, may request that the defective item(s) be returned to Keene's principal offices for investigation and inspection. Keene is not required to repair or replace the defective item(s) or to refund the purchase price until it has received such item(s) that Keene has requested returned and has inspected such item(s).
The warranty provided above is extended solely to the person or entity that purchases the product directly from Keene, and no third party may rely thereon or assert any claim based on such warranty. The foregoing warranty is the only warranty provided by Keene and is to the exclusion of any other warranty, whether express or implied, including the implied warranties of merchantability and fitness for a particular purpose, all of which are expressly disclaimed. Keene's liability, if any, for damages based on any claim of any kind whatsoever, and regardless of the legal theory, with regard to any of its products shall be limited to the actual purchase price of the product(s) with respect to which such claim is made.
UNDER NO CIRCUMSTANCES SHALL KEENE BE LIABLE TO PURCHASER FOR COMPENSATION, REIMBURSEMENT OR DAMAGES ON ACCOUNT OF THE LOSS OF PRESENT OR PROSPECTIVE PROFITS OR REVENUE, EXPENDITURES, INVESTMENTS OR COMMITMENTS, AND IN NO EVENT SHALL KEENE BE LIABLE TO PURCHASER OR ANY OTHER PERSON OR ENTITY FOR SPECIAL, INCIDENTAL, INDIRECT, CONSEQUENTIAL OR EXEMPLARY DAMAGES. By way of example only, Keene will not be responsible for any damages purchaser may incur that are related to surface, subsurface or building conditions, damage to the structure or contents of any building, or for costs of repair and replacement except as may be expressly provided in this Limited Warranty (and subject to the terms and conditions hereof).
Keene shall not be liable for product failure resulting from any of the following: (i) products not installed in accordance with Keene's installation instructions; (ii) non-compliance with applicable building codes and regulations; (iii) the use of any of its products (A) in a manner for which it was not intended; (B) in a modified form without the permission of Keene, or (C) in combination with any other system, equipment or device not manufactured or sold by Keene.
Keene may change, modify, amend, replace or discontinue offering a product warranty, limited or otherwise. Any such change, modification, amendment, replacement or discontinuance shall be applicable to unsold products only, and Keene shall endeavor to give purchaser at least thirty (30) days prior written notice of same.

Claims or inquiries shall be addressed as follows:
Customer Service Department [Quality Control Manager]
KEENE BUILDING PRODUCTS, INC.
2926 Chester Avenue
Cleveland, OH 44114
P 440 605 1020 [877-514-5336]
F 440 605 1120
www.keenebuilding.com

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 Screed.
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 Screed.
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

Please see back of sheet

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*

keene building products

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Mayfield Heights, OH 44124
Info@KeeneBuilding.com
KeeneBuilding.com

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P 440 | 605 | 1020
F 440 | 605 | 1120

Safety Data Sheet (SDS)
According to 1907/2006/EC (REACH), 1272/2008/EC (CLP), and GHS

Section 1: Identification of the Products and the Company:

Product Name: Keene Building Products

Product Code: Keene Building Products

Keene Building Products
P.O. Box 241353
Mayfield Heights, OH 44124

Keene Building Phone: 440-605-1020

Web: www.keenebuilding.com

Products:
Assurance Products
Cav-air-ator Products
CDR Vent Products
Root Barrier Products
Driwall MC Products
Driwall Mortar Deflection Products
Driwall PCD Products
Driwall Protection Board Products
Driwall Rainscreen Products
Driwall Weep Screed Products
Driwall Weep Vent Products
Easy-Fur Products
Enviromat Products
KeedeBand
KeedeLath
KeeneStone Cut Products
KeedeRoll Products
N-Vire Mat Products
QQ Step Soft products
Quiet Qurl Products
Trident DD Products
Turf Turf Products
Vapor-Mat Products
Viper Vent Products
Viper Wrap Products

Chemtrec:
1- 800-424-6400
Chemtrec Global: 1-703-527-3887

Product Use: Walls and Flooring - Siding

Section 2: Hazard(s) Identification:

N/A

GHS Ratings:
GHS Hazards

GHS Precautions

Signal Word:

There are no GHS ratings that apply to this product at this time.

Section 3: Composition/Information on Ingredients:

Chemical Name	CAS number	Weight Concentration %

Section 4: First Aid Measures:

N/A

Section 5: Firefighting Measures:

Flash Point: N/A

UEL:

LEL:

N/A

Section 6: Accidental Release Measures:

N/A

Section 7: Handling and Storage:

N/A

Section 8: Exposure Control and Personal Protection:

Chemical Name / CAS No.	OSHA Exposure Limits	ACGIH Exposure Limits	Other Exposure Limits
	Not Established	Not Established	Not Established

N/A

Section 9: Physical and Chemical Properties:

N/A

Section 10: Stability and Reactivity:

N/A

STABLE

Hazardous polymerization will not occur.

Section 11: Toxicological Information:

Mixture Toxicity

Effects of Overexposure

Section 12: Ecological Information:

N/A

Section 13: Ecological Information:

N/A

Section 14: Transport Information:

D.O.T.:

All Keene Building Products are not regulated by D.O.T. when shipped domestically by land.

T.D.G.:

All Keene Building Products are not regulated by T.D.G.. when shipped domestically by land.

Agency	Proper Shipping Name	UN Number	Packing Group	Hazard Class

Section 15: Regulatory Information:

OSHA Hazard Communication Standard:

Products produced by Keene Building Products are deemed as "articles" and as such are exempt from the Code of Federal Regulations included in the OSHA Hazard Communication Standard.

Country	Regulation	All Components Listed
USA	Inventory - United States - Section 8(b) Inventory (TSCA)	Yes
Canada	DSL (Canadian Domestic Substance List)	Yes

EU Risk Phrases

Safety Phrase

U.S. - TSCA:

- None

U.S. - SARA:

Section 16: Other Information:

We believe the information contained in this SDS is correct, however, because the material may be used under conditions over which we have no control, we give no warranty and assume no responsibility for any damage to person, property or business arising from such use. It is the responsibility of the user to ensure it is properly used. Recipients are advised to confirm in advance of need that the information is current, applicable and suitable to their circumstances. This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship. Please notify us if you believe this SDS is inaccurate or incomplete.

Reviewer Revision

Date Prepared: 9/15/2016

Updated: 4/12/2021

25 YEAR LIMITED WARRANTY

KEENE BUILDING PRODUCTS, INC. DRIWALL RAINSCREEN

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The warranty provided above is extended solely to the person or entity that purchases the product directly from Keene, and no third party may rely thereon or assert any claim based on such warranty. The foregoing warranty is the only warranty provided by Keene and is to the exclusion of any other warranty, whether express or implied, including the implied warranties of merchantability and fitness for a particular purpose, all of which are expressly disclaimed. Keene's liability, if any, for damages based on any claim of any kind whatsoever, and regardless of the legal theory, with regard to any of its products, shall be limited to the actual purchase price of the product(s) with respect to which such claim is made.

UNDER NO CIRCUMSTANCES SHALL KEENE BE LIABLE TO PURCHASER FOR COMPENSATION, REIMBURSEMENT OR DAMAGES ON ACCOUNT OF THE LOSS OF PRESENT OR PROSPECTIVE PROFITS OR REVENUE, EXPENDITURES, INVESTMENTS OR COMMITMENTS, AND IN NO EVENT SHALL KEENE BE LIABLE TO PURCHASER OR ANY OTHER PERSON OR ENTITY FOR SPECIAL, INCIDENTAL, INDIRECT, CONSEQUENTIAL OR EXEMPLARY DAMAGES. By way of example only, Keene will not be responsible for any damages purchaser may incur that are related to surface, subsurface or building conditions, damage to the structure or contents of any building, or for costs of repair and replacement except as may be expressly provided in this Limited Warranty (and subject to the terms and conditions hereof).

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Claims or inquiries shall be addressed as follows:

Customer Service Department [Quality Control Manager]
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Cleveland, OH 44114
P 440 605 1020 [877-514-5336]
F 440 605 1120
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