



Moisture Management For Masonry

# MortarNet™

WallDefender®

## Product Submittal Sheet

### Description

For traditional brick masonry cavity-wall construction. Made of a NEW structural strand polymer mesh, its trapezoidal shape captures mortar droppings on two levels so they can't form a solid dam. In addition, its design lets water flow, unobstructed, to weep holes and promotes significantly greater airflow within the cavity to promote drying.

### Short Form Spec

Provide structural strand polymer mesh (0.4", 1", 1.5", or 2") trapezoidal configuration to maintain airflow and drainage while suspending mortar droppings at unequal heights. Provide one or more thicknesses as required to fill cavity width. Install per manufacturer's instructions.

**Product:** Subject to compliance with requirements, provide MortarNet WallDefender as manufactured by Mortar Net Solutions™.

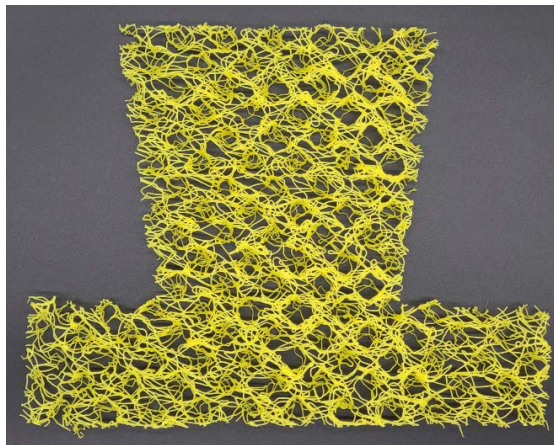
### Manufacturer

Mortar Net Solutions™  
6575 Daniel Burnham Drive Suite G, Portage, Indiana 46368  
Telephone: (800) 664-6638 Fax: (219) 787-5088  
Email: info@mortarnet.com Website: www.mortarnet.com

*Specifier Note: MortarNet WallDefender is manufactured of 95% open structural strand polymer mesh, available in 0.4", 1", 1.5" or 2" thick. It has no negative reaction to PVC, polyethylene, copper, lead, rubberized asphalt, or stainless steel, and will not degrade or decompose over the life of the building. It will not absorb or trap moisture and water, is treated with an antimicrobial.*

### Substitutions

No substitutions permitted.



MortarNet WallDefender

- MortarNet WallDefender: 02-X-0094 - 10" high x 0.4" thick x 5' long material
- MortarNet WallDefender: 02-X-0095 - 10" high x 1" thick x 5' long material
- MortarNet WallDefender: 02-X-0096 - 10" high x 1.5" thick x 5' long material
- MortarNet WallDefender: 02-X-0097 - 10" high x 2" thick x 5' long material

**Specification Title:** \_\_\_\_\_

Project: \_\_\_\_\_

Firm: \_\_\_\_\_ Phone: \_\_\_\_\_

Approval: \_\_\_\_\_ Date: \_\_\_\_\_

General Contractor: \_\_\_\_\_

Bid Date: \_\_\_\_\_

Comments: \_\_\_\_\_



Moisture Management For Masonry

# MortarNet™

## WallDefender®

### Technical Data Sheet

In masonry cavity walls, mortar collection above the flashing and weep hole levels is vital for proper masonry wall performance and to prevent water damage. In today's walls, it's common to see a 2" cavity reduced to the minimum requirement of 1" with the inclusion of insulation, so the need for better ventilation is essential to keep the wall dry and trouble-free. MortarNet WallDefender suspends mortar droppings above the flashing and weeps, so they stay clear and unobstructed. Its NEW design using a structural strand polymer mesh allows moisture to flow to the weeps and significantly greater airflow within the cavity to promote drying.

### Benefits

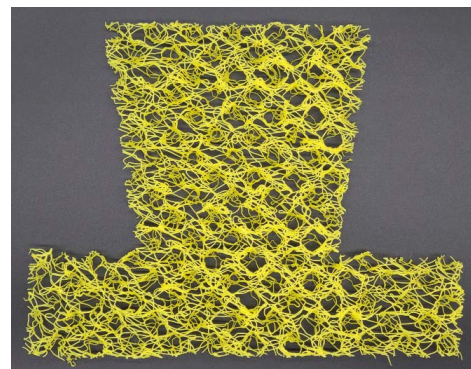
- Compressible to allow for variations in cavity width
- A cost competitive alternative to MortarNet with Insect Barrier
- Breaks up and suspends mortar droppings above the flashing on two levels so weeps stay open
- Structural strand polymer mesh construction provides hundreds of pathways for moisture to exit the cavity
- Is very permeable to air, water and water vapor due to the low fiber density of the non-woven structure
- Helps prevent efflorescence and damage from freeze-thaw cycles
- Easy to transport, handle and cut, even on scaffolding
- Installs easily on brick ties in multi-story cavity walls
- Will not degrade, oxidize, or react with common building materials
- Clean and non-toxic
- Recycled content helps with LEED certification
- Helps eliminate callbacks to repair moisture damage
- Provides masons and building owners with a greater peace of mind
- Weep holes must be used with MortarNet WallDefender to allow effective moisture drainage and wall drying.

### Sizes and Packaging

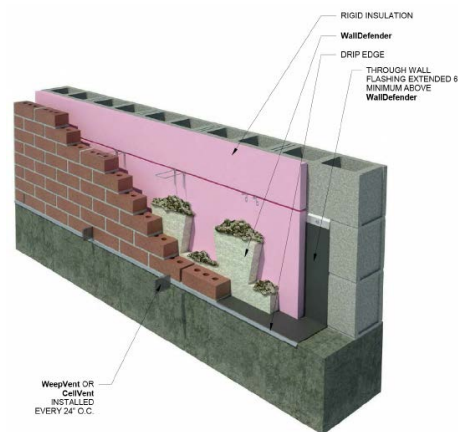
THICKNESS	HEIGHT	LENGTH	LF/BOX	BOXES/PALLET
3/8"	10"	5'	20 pieces / 100 LF	36
1"	10"	5'	20 pieces / 100 LF	36
1½"	10"	5'	20 pieces / 100 LF	24
2"	10"	5'	20 pieces / 100 LF	24

### Recycled Content

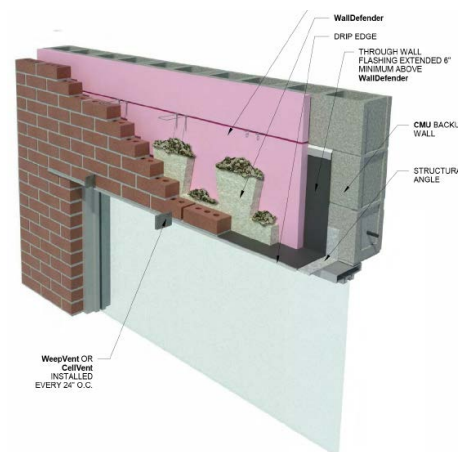
Thickness	Recycled Content
3/8"	40% Post-consumer
1"	40% Post-consumer
1½"	40% Post-consumer
2"	40% Post-consumer



MortarNet WallDefender



Wall Base Detail



Window Head Detail

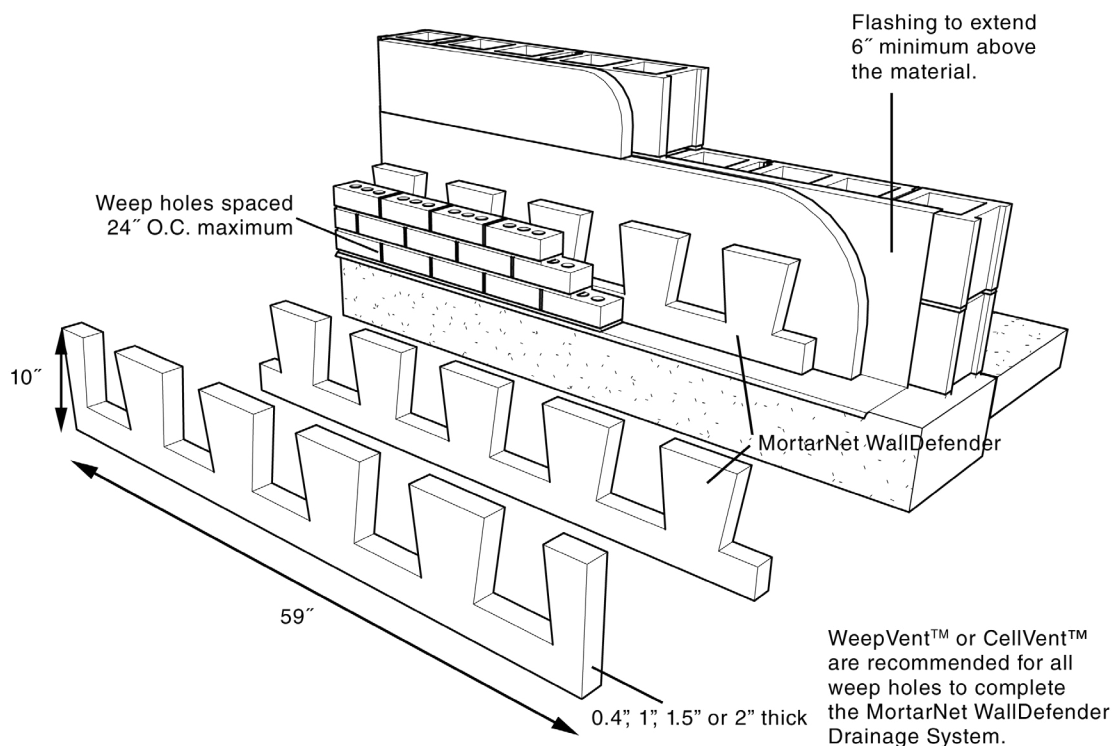
# MortarNet<sup>™</sup> WallDefender<sup>®</sup>

## Installation Instructions/Packing Slip

This package contains 100 LF of 0.4", 1", 1.5" or 2" MortarNet WallDefender

### Installation Instructions

1. After the first one or two courses of bricks are laid, place a continuous row of MortarNet WallDefender in cavity or collar joint on flashing (trapezoidal side up) against inside of outer wythe at base of wall.
2. Install directly on flashing at base of wall, over all wall openings, shelf angles, sills or lintels.
3. Install MortarNet WallDefender at every floor level. For wall-cavities that exceed 11' in height, place an additional continuous trapezoidal strip on wall reinforcing anchors/ties at every 9' to 11' of wall height.
4. Flashing should extend from bottom to at least 6" above the top of MortarNet WallDefender, as should any other materials used to fill space between the MortarNet WallDefender and inside cavity surface.
5. If 1", 1.5" or 2" thick MortarNet WallDefender is used, no more than 1/4" should be left between MortarNet WallDefender and cavity's inside surface. When used alone, 0.4" MortarNet WallDefender should touch both cavity surfaces. It can be used as filler with other widths of MortarNet WallDefender, with the trapezoidal sides up and the trapezoids of all thicknesses aligned with each other. MortarNet WallDefender is compressible to allow for variations in wall cavity widths.



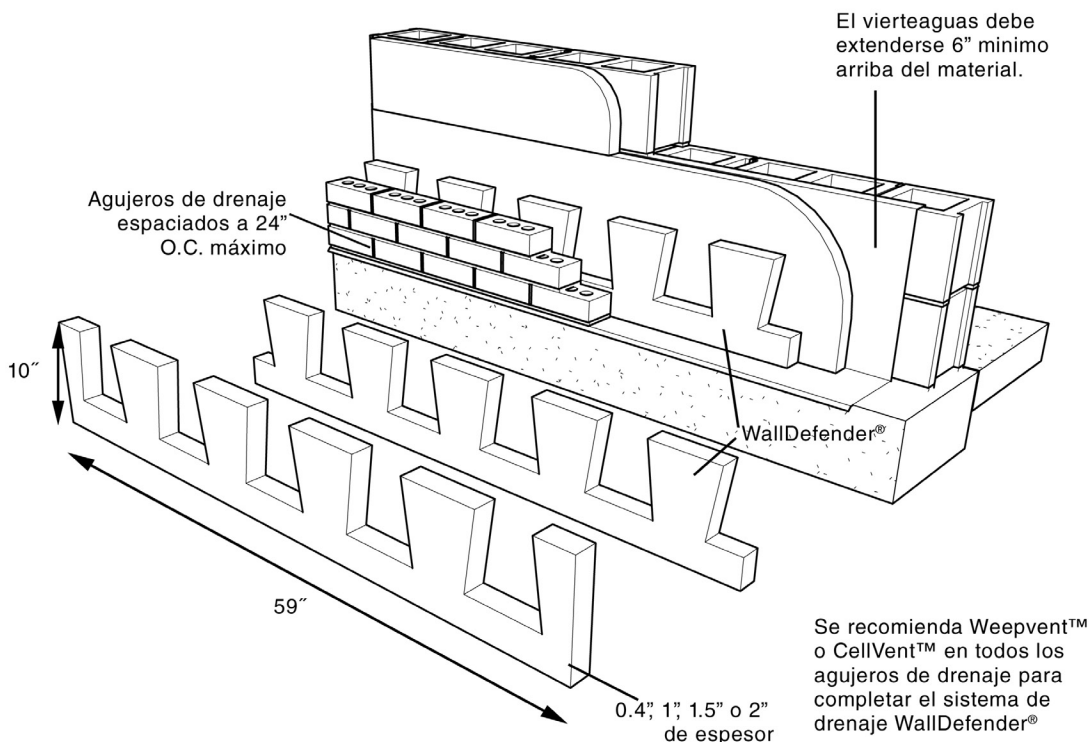
# WallDefender®

## Instrucciones de instalación/Hoja de embalaje

Este paquete contiene 100 pies lineales de 0.4", 1", 1.5" o 2" de WallDefender®

### Instrucciones de instalación

1. Después de poner la primera o dos hiladas de ladrillos, coloque una hilada continua de WallDefender® en la cavidad o en la junta de collar en el vierteaguas (con el lado trapezoidal hacia arriba) contra el lado interno del muro exterior en la base de la pared.
2. Instale el WallDefender® directamente en el vierteaguas en la base de la pared, sobre todas las aberturas de la pared, ángulos de repisas, alféizares o dinteles.
3. Instale el WallDefender® en cada nivel de piso. Para las cavidades de pared que exceden 11' de altura, ponga una tira trapezoidal continua adicional en los anclajes o amarres de refuerzo de la pared cada 9 u 11' de altura de la pared.
4. El vierteaguas debe extenderse desde la parte inferior al menos 6" por arriba de la parte superior del WallDefender®, como debe ser con cualquier otro material usado para rellenar el espacio entre el WallDefender® y la superficie interna de la cavidad.
5. Si se usa WallDefender® de 1", 1.5" o 2" de espesor, no debe dejarse más de ¼" de espacio entre el WallDefender® y la superficie interna de la cavidad. Cuando se utiliza solo, el WallDefender® de 0.4" debe tocar ambas superficies de la cavidad. Se puede utilizar como relleno con otros anchos de WallDefender®, con los lados trapezoidales hacia arriba y los trapezoides de todos los espesores alineados entre sí. WallDefender® es comprimible para adaptarse a los diferentes anchos de la cavidad de la pared.



# 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: Mortar Net 0.4", 1.0", 1.5", 2.0" Product Code: Mortar Net

Keene Building Products  
2926 Chester Ave.  
Cleveland, OH 44114

**Keene Building Products**

**Phone:**

**440-605-1020**

**Web:**

**www.keenebuilding.com**

Products:

Mortar Net Products

**Chemtrec: 1- 800-424-9300**

**Chemtrec Global: 1-703-741-5970**

Product Use: Commercial Use Only

## 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 %
Nylon 6	25038-54-4	70.00% - 80.00%
Poly(oxy-1,2-ethanediyloxycarbonyl-1,4-phenylenecarbonyl)	25038-59-9	20.00% - 30.00%
Trade Secret	N/A	1.00% - 5.00%

## Section 4: First Aid Measures:

If exposed to dust move injured person to fresh air and observe. Get medical attention if symptoms persist.

If eye irritation occurs, flush with water. Do not rub eyes. If irritation persists seek medical attention.

If skin irritation develops, rinse with water and remove from contact. If symptoms persist get medical assistance.

Rinse mouth. If irritation or symptoms occur seek medical attention.

**Section 5: Firefighting Measures:**

Flash Point: N/A

LEL:

UEL:

N/A

Utilize fire extinguishing media suitable for surrounding materials.

Use standard fire fighting equipment and procedures for the surrounding environment.

**Section 6: Accidental Release Measures:**

N/A

**Section 7: Handling and Storage:**

Store in a dry, ventilated area away from sources of high heat.

**Section 8: Exposure Control and Personal Protection:**

Chemical Name / CAS No.	OSHA Exposure Limits	ACGIH Exposure Limits	Other Exposure Limits
Nylon 6 25038-54-4	Not Established	Not Established	Not Established
Poly(oxy-1,2-ethanedioxyoxycarbonyl-1,4-phenylenecarbonyl) 25038-59-9	Not Established	Not Established	Not Established
Trade Secret N/A	Not Applicable	Not Applicable	Not Applicable

N/A

**Section 9: Physical and Chemical Properties:**

N/A

<b>Appearance:</b> Polymer Solid <b>Vapor Pressure:</b> N/A <b>Vapor Density:</b> N/A <b>Freezing point:</b> N/A <b>Boiling range:</b> N/A	<b>Odor:</b> N/A <b>Odor threshold:</b> N/A <b>pH:</b> N/A <b>Solubility:</b> Not Tested <b>Flash point:</b> Non Flammable
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<p><b>Evaporation rate:</b> N/A</p> <p><b>Explosive Limits:</b> N/A</p> <p><b>Autoignition temperature:</b> N/A</p> <p><b>Viscosity:</b> N/A</p>	<p><b>Flammability:</b> Non Flammable</p> <p><b>Partition coefficient (n- octanol/water):</b> N/A</p> <p><b>Decomposition temperature:</b> N/A</p>
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**Section 10: Stability and Reactivity:**

N/A  
STABLE

Hazardous polymerization will not occur.

**Section 11: Toxicological Information:**

**Mixture Toxicity**  
**Component Toxicity**

**Effects of Overexposure**

<u>CAS Number</u>	<u>Description</u>	<u>% Weight</u>	<u>Carcinogen Rating</u>
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**Section 13: Disposal Considerations**

N/A  
**Component Ecotoxicity**

**Section 13: Disposal Considerations**

N/A

**Section 14: Transport Information:**

**D.O.T.:**  
All Mortar Net products are not regulated by D.O.T. when shipped domestically by land.  
**I.A.T.A.:**  
All Mortar Net products are not regulated by IATA.

<u>Agency</u>	<u>Proper Shipping Name</u>	<u>UN Number</u>	<u>Packing Group</u>	<u>Hazard Class</u>
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**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.

TSCA (Toxic Substances Control Act)

<u>Country</u>	<u>Regulation</u>	<u>All Components Listed</u>
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: 7/26/2023