



Moisture  
Management  
for Masonry

Your reputation. Your legacy. Our mission.



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**Product Submittal Sheet**

**MortarNet™**

**Description**

For traditional brick masonry cavity-wall construction. Made of tough polyester mesh (1.5" & 2") and nylon (0.4" & 1"), its patented trapezoidal shape captures mortar droppings on two levels so they can't form a solid dam. In addition, its 90% open-weave mesh lets water flow, unobstructed, to weep holes and lets air circulate freely within the cavity.

**Short Form Spec**

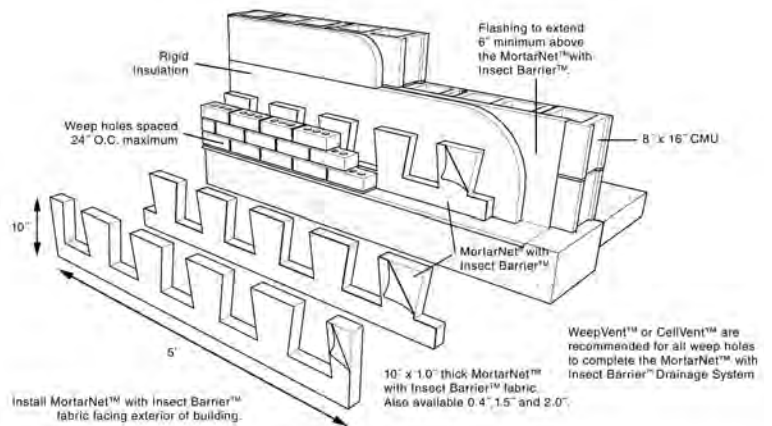
Provide polyester mesh (1.5" & 2") and nylon (0.4" & 1") trapezoidal configuration to maintain airflow and drainage while suspending mortar droppings at unequal heights. Provide one or more thicknesses as required to fill cavity width. Install per manufacturer's instructions.

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

**Manufacturer**

Mortar Net Solutions™  
6575 Daniel Burnham Drive Suite G, Portage, Indiana 46368  
Email: info@mortarnet.com

Telephone: (800) 664-6638 Fax: (219) 787-5088  
Website: www.mortarnet.com



**Specifier Note:** MortarNet™ with Insect Barrier™ is manufactured of polyester mesh (1.5" & 2") and nylon (0.4" & 1"), fabricated in a 90% open mesh, 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. MortarNet™ with Insect Barrier™ is patented, US Patent No. 8,061,090.

**Substitutions**

No substitutions permitted.

- MortarNet™:** MN 10-04: 10" high x 0.4" thick material.
- MortarNet™:** MN 10-1: 10" high x 1" thick material.
- MortarNet™:** MN 10-1.5: 10" high x 1.5" thick material.
- MortarNet™:** MN 10-2: 10" high x 2" thick material.

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

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

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

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

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

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

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



## THE ORIGINAL MORTAR DROPPING COLLECTION DEVICE

### Technical Data Sheet

#### Description

MortarNet helps prevent moisture damage to masonry cavity walls by preventing mortar droppings from blocking the weep holes and by providing hundreds of clear drainage pathways that allow moisture to flow to the weeps. Its open mesh also allows air movement to help equalize pressure and dry the cavity.

#### Benefits

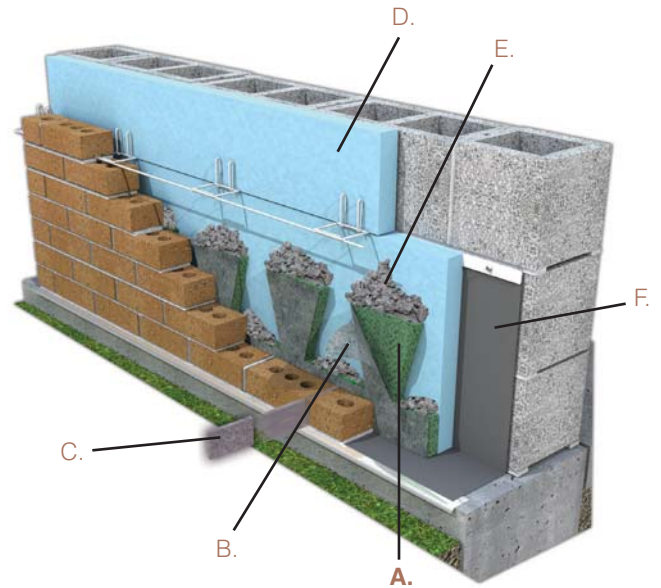
- Breaks up and suspends mortar droppings above the flashing on two levels so weeps stay open
- Open weave mesh construction provides hundreds of pathways for moisture to exit the cavity
- Insect Barrier helps prevent wall damage and health hazards from insect infestations
- Is very permeable to air, water and water vapor due to the low fiber density of the non-woven structure
- Helps prevent efflorescence, damage from freeze-thaw cycles and mold growth
- Easy to transport, handle and cut, even on scaffolding
- Installs easily on brick ties in multi-story cavity walls
- Recycled content helps with LEED certification
- Helps eliminate callbacks to repair moisture damage
- Provides masons and building owners with a greater peace of mind

#### Sizes and Packaging

THICKNESS	HEIGHT	LENGTH	LF/BOX
0.4"	10"	5'	50 sections / 250 LF
1"	10"	5'	20 sections / 100 LF
2"	10"	5'	20 sections / 100 LF

#### Recycled Content

THICKNESS	RECYCLED CONTENT
0.4"	40% Pre-consumer
1"	40% Pre-consumer
2"	20% Pre-consumer



A simple installation process and outstanding customer support make it easy for masons to install MortarNet

#### A. MortarNet

B. Insect Barrier

C. WeepVent

D. Rigid insulation

E. Mortar Droppings

F. Flashing Membrane

**NEW IMPROVED!**  
**MortarNet®**  
**with Insect Barrier™**



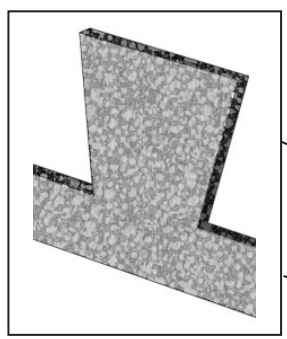
**NEW IMPROVED!**  
**MortarNet®**  
**with Insect Barrier™**

This package contains **MortarNet® with Insect Barrier™**  
 100 LF of 1", 1.5" or 2" MortarNet® with Insect Barrier™ or 250 LF of 0.4" MortarNet® with Insect Barrier™

**General Information**

1. Fast and easy to use - no fasteners or adhesives, no special skills or tools. After the first one to two courses of bricks are laid, place a continuous row of MortarNet® with Insect Barrier™ in cavity or collar joint on flashing (**trapezoidal side up**) against inside of outer wythe at base of wall **with Insect Barrier™ fabric facing exterior of building (see diagram)**.
2. Install **MortarNet® with Insect Barrier™ directly on flashing** at base of wall, over all wall openings, shelf angles, sills or lentils.
3. Install MortarNet® with Insect Barrier™ 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 6" above the top of MortarNet® with Insect Barrier™, as should any other materials used to fill space between MortarNet® with Insect Barrier™ and inside cavity surface.
5. If 1", 1.5" or 2"-thick MortarNet® with Insect Barrier™ is used, no more than 1/4" should be left between MortarNet® with Insect Barrier™ and cavity's inside surface (flashing or filler). 0.4"-thick MortarNet® with Insect Barrier™ should touch both cavity surfaces, or can be used as additional filler with other widths of MortarNet® with Insect Barrier™ - **trapezoidal side up and aligned with each other**. MortarNet® with Insect Barrier™ is compressible to allow for variations in wall-cavity widths.

**Install MortarNet® with Insect Barrier™ fabric facing exterior of building.**



U.S. Patent No. 8,061,090

1" Rigid Insulation

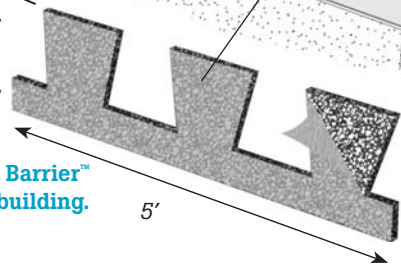
Weep holes spaced 24" O.C. maximum

Flashing to extend 6" minimum above the MortarNet® with Insect Barrier™.

8" x 16" CMU

10"

**Install MortarNet® with Insect Barrier™ fabric facing exterior of building.**



10" x 1.0" thick MortarNet® with Insect Barrier™ fabric. Also available 0.4", 1.5" and 2.0".

**MortarNet® with Insect Barrier™ should be installed only by experienced masons in properly specified weep hole/flashing systems.**

**For Technical Support or to Report Defective Product: Please Call 1-800-664-6638**

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 P 800 664 6638 F 219 787 5088  
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### **Certificate of Compliance**

This letter is to certify that MortarNet® meets specifications as described.

MortarNet® was tested in accordance with ASTM E514, "Test Method for Water Permeance of Masonry" and ASTM E283-91, "Standard Test Method for Determining the Rate of Air Through Wall Assemblies".

MortarNet® is manufactured in the United States and meets the requirements as described in the American Recovery and Reinvestment Act (ARRA) of 2009.

Regards,

A handwritten signature in black ink that reads "Angela Brooks". The signature is written in a cursive style.

Angela Brooks  
Construction Services  
Business Development Associate  
abrooks@mortarnet.com  
219-850-4512



## Test Results

### MortarNet® - 2 Inch

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These non-woven products are made from polyester fiber bonded with flame retarded adhesive that contains an antimicrobial to effectively control the growth of mold, mildew, algae, and fungi on the bonded product. The products are very permeable to air, water or water vapor due to the low fiber density of the non-woven structure. The void volume of these products is approximately 99% with only 1% solidity. They also have excellent flame retardant properties, and the vertically held test sample will self extinguish after the flame source is removed.

#### TEST RESULTS

PROPERTY	201531
WEIGHT (oz/sq.yd)	17.1
THICKNESS (inches)	0.96
COLOR	Green
DENSITY (lb./cu.ft.)	1.48

#### FLAMMABILITY

Fed. Std. 191A	Vertical method 5903, average results reported.
Flame time (sec.)	5
After glow (sec.)	4
Charred length (in.)	1.5

#### MICROBIAL GROWTH

Filtration products containing the same % antimicrobial additive pass the ASTM fungal resistancy test standards D-2020 and C-665. C-665 is a standard specification for mineral fiber blanket thermal insulation for light frame construction and manufactured housing. This test is used to determine the ability of insulation to support fungi growth under conditions favorable for their development, namely high humidity and warm atmosphere.

1. **Test method #66:** Average weight of two 18" x 18" specimens expressed in oz./sq.yd. Two specimens are cut from the width of the web, both from approximately 8" in from edge.
2. **Test method BN 14-2:** Average thickness as manufactured prior to compression in roll. Three 4" x 4" specimens, one cut from approximately 4" in from each edge and one from the approximate center of the web. The specimen is placed on a flat surface, and a flat metal plate 4" x 4" that weighs 10 oz. is placed over the specimen. The thickness is measured from each side and averaged. The average of the three specimens is reported as the thickness.
3. **Test method FMVSS 302** (Federal Motor Vehicle Safety Standard): The requirement is that a horizontal-ly placed specimen when ignited will not burn faster than 4" per min.



## Safety Data Sheet

### MortarNet® - 2 Inch

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SDS Date: 3/4/15

**Safety Data Sheet as per 29 CFR 1910.1200, this data sheet represents an article that is excluded from the requirements.**

This article data sheet is provided as a courtesy in response to a customer request. A Safety Data Sheet (SDS) has not been prepared for these product(s) because they are articles. Articles are not subject to the Occupational Safety and Health Administration’s Hazard Communication Standard (29 CFR 1910.1200(b)(6)(v)). As defined in this standard: “Article” means a manufactured item other than a fluid or particle: (i) which is formed to a specific shape or design during manufacture; (ii) which has end use function(s) dependent in whole or in part upon its shape or design during end use; and (iii) which under normal conditions of use does not release more than very small quantities, e.g., minute or trace amounts of a hazardous chemical, and does not pose a physical or health risk to employees.

#### Section 1: Company and Article Identification

**Company:** Mortar Net Solutions™  
326 Melton Road, Burns Harbor, IN 46304  
info@mortarnet.com, www.mortarnet.com  
D 219.850.4500 Toll-Free 800.664.6638 Fax 219.787.5088

**Article:** Non-woven polyester fibers bonded with acrylic polymers  
**Code(s):** 117006, 117007, 315012

#### Section 2: Hazards Identification

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**Hazard Statement(s):** Under normal conditions of use and handling, this product is not expected to create any health or safety hazards.

**Precautionary Statements:** Not Applicable

#### Section 3: Composition / Information on Ingredients

Ingredients (name)	CAS#	Weight %
Polyethylene Terephthalate (fiber)	25038-59-9	35-65%
Acrylic Polymer	Unknown	35-65%
Finish	Unknown	< 1%
Pigment Colorant	various	< 2%

#### Section 4: First Aid Measures

General Info:	No adverse health effects are anticipated from normal handling
Notable Exposure symptoms:	Low hazard for usual industrial or commercial handling
If ingested:	No adverse health effects are expected. Consult with a physician.



## Safety Data Sheet

### MortarNet® - 2 Inch

2/4  
SDS Date: 3/4/15

If inhaled:	No adverse health effects are expected. Consult with a physician.
Eye contact:	In case of contact with dust or particles, immediately flush eyes with plenty of water. Consult with a physician.
Skin contact:	No adverse health effects are expected. Consult with a physician.
Additional Information:	

#### Section 5: Fire Fighting Measures

General Info:	Nonwoven will support combustion Flash Point: Not applicable
Extinguishing Method / Equipment:	Use fire extinguishers with class B extinguishing agents (e.g. dry chemical, carbon dioxide)
Hazardous Decomposition Info:	Oxides of carbon, nitrogen oxides, small quantities of aliphatic and aromatic hydrocarbons, and acrylic monomers.

#### Section 6: Accidental Release Measures

General Info:	Use appropriate Personal Protective Equipment during clean-up
Containment Equipment and Procedures:	Not applicable

#### Section 7: Handling and Storage

Safe Handling Precautions:	This product is considered to be an article which does not release or otherwise result in exposure to hazardous chemicals under normal conditions.
Recommendations for Storage:	Use good material handling practices.

#### Section 8: Exposure Control / Personal Protection

General / Engineering Controls:	Good general ventilation should be sufficient to control airborne levels of dust and fly.
Work Clothing:	Special protective clothing is not needed for normal use. Gloves are recommended as a good industrial practice.
Eye Protection:	Safety glasses are recommended as a good industrial practice.
Skin Protection:	Gloves are recommended as a good industrial practice.
Respiratory Protection:	Where airborne concentrations are expected to exceed exposure limits, a NIOSH approved respirator should be selected based of the form and concentration on the contaminate in air and in accordance with OSHA Respiratory protection Standard CFR 1910.134.
Additional Information:	





## Safety Data Sheet

### MortarNet® - 2 Inch

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SDS Date: 3/4/15

Substances with Exposure Limits none known	CAS#	ACGIH-TLV	OSHA-PEL	OTHER

#### Section 9: Physical and Chemical Properties

State:	Article/Solid	Melting Point:	>200 °C	Freezing Point:	Not Applicable
Color:	Varies	Boiling Point:	Not Applicable	pH	Not Applicable
Density (lbs/ft <sup>3</sup> ):	0.8 - 3.0	Odor:	Odorless	Water Solubility:	Nil
Evaporation rate:	Not Applicable	Flash Point:	>250 °C	Specific Gravity:	Not Applicable
Upper Flam Limits:	Not Applicable	Lower Flam Limits:	Not Applicable	Other:	

#### Section 10: Stability and Reactivity

General:	Stable
Incompatible materials:	None known
Conditions to Avoid:	Temperatures above 200 °C will cause decomposition in the presence of oxygen. Strong acids and bases can degrade nonwovens

#### Section 11: Toxicological Information

General Information:	Polyester and acrylic are stable in the environment
Toxicological Information (product):	None available

#### Toxicological Information (contained substances)

Hazardous substance (name)	LD50 Oral	LD50 Dermal	Eye Irritancy:	Skin Irritancy:
no components listed				

Carcinogenicity or mutagenicity:	None listed
Other Notes:	

#### Section 12: Ecological Information

General information:	No data
Aquatic toxicity:	No data
Degradation info:	No data
Other info:	





Safety Data Sheet

MortarNet® - 2 Inch

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SDS Date: 3/4/15

Section 13: Disposal Information

Article disposal:	Treatment, storage, transportation and disposal must be in accordance with applicable Federal, State/Provincial, and Local regulations.
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Section 14: Transport Information

General:	Not classified as dangerous goods according to international transport regulations.
OTHER:	

Section 15: Regulatory Information

TSCA:	Components are listed on the TSCA inventory. Article is exempt for TSCA Inventory listing requirements
CERCLA RQ:	None of the components are listed. Article not listed
SARA 311/312:	Article is not classified as hazardous. Fire Hazard - No, Pressure Hazard - No, Immediate Hazard - No, Delayed hazard - No
SARA 313:	Article not listed
California Prop 65 Substances:	formaldehyde <0.1%, acrylate <0.1%
Canadian DSL:	
WHMIS Disclosure:	Not a controlled product

Section 16: Other Information

HAZARDOUS MATERIALS IDENTIFICATION SYSTEM (HMIS):

Health	Flammability	Reactivity
0	1	0

NATIONAL FIRE PROTECTION ASSOCIATION (NFPA 704) - HAZARD IDENTIFICATION:

Health	Flammability	Reactivity	Specific
0	1	0	

KEYS: 4=Severe; 3=Serious; 2=Moderate; 1=Slight; 0=Minimal

FBADS File: 15001

Version: 1

Version Date: 2015-Mar-04