



Moisture
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Product Submittal Sheet

BlockFlash™

Description

BlockFlash™ is a tough, lightweight, embeddable flashing system for exterior single-wythe CMU wall systems suitable for use at all flashing/weep vent locations, including base of wall, above door and window openings, above bond beams, in parapet walls, and wherever flashing is desirable. It provides 10 times greater bond at the exterior bed joint than a through-wall membrane system, with no water penetration, no bypass, and rapid expulsion of moisture.

Recycled Content: BlockFlash Pans: 40% Pre-Consumer Material
BlockFlash Drainage Mat: 40% Pre-Consumer Material

Short Form Spec

Install CMU cell flashing pans with built in adjoining bridge made from recycled polypropylene. Flashing pans have a sloped design to direct moisture to the integrated weep spout. Designed to be built into mortar bed joints to expel moisture (unimpeded by mortar droppings) to the exterior of CMU walls. Drainage Mats included and Insect Guard pre-inserted.

Product: Subject to compliance with requirements, provide "BlockFlash™" 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: BlockFlash® is a high-density polypropylene composition molded into a .0625 inch thick (1.59 mm) flashing pan with .3125 inch (7.94 mm) perimeter flanges. The .0625 inch (1.59 mm) concaved weep spout with a .20 inch (5.08 mm) x .64 inch (16.26 mm) opening and a 45 degree drip edge extends 1.0 inch (25.4 mm) from the outer flange. The inner and outer flanges are spaced to allow for 1.0 inch of mortar bond between the upper and lower course of C.M.U. in 6", 8", 10", or 12" wall systems. The weep spout ceiling extends 3.5 inches (88.9 mm) from the outer flange into the center of the pan and acts to suspend mortar, keeping the weep channel clear. BlockFlash® is impervious to water.

Substitutions

No substitutions permitted.

- ☐ **BF06** - BlockFlash™ 6": C.M.U. Type 6" (4-1/8") 0.3125 (H) x 4.125" (W) x 6.75" (L)
- ☐ **BF08** - BlockFlash™ 8": C.M.U. Type 8" (5-5/8") 0.3125 (H) x 5.625" (W) x 6.75" (L)
- ☐ **BF10** - BlockFlash™ 10": C.M.U. Type 10" (7-5/8") 0.3125 (H) x 7.625" (W) x 6.75" (L)
- ☐ **BF12** - BlockFlash™ 12": C.M.U. Type 12" (9-5/8") 0.3125 (H) x 9.625" (W) x 6.75" (L)

Units Per Carton: 100 pans

Specification Title: _____

Project: _____ Date: _____

Firm: _____ Phone: _____

Approval: _____ Date: _____

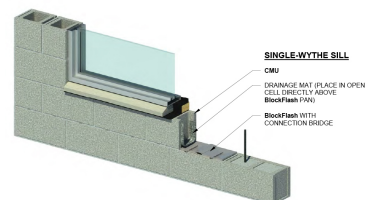
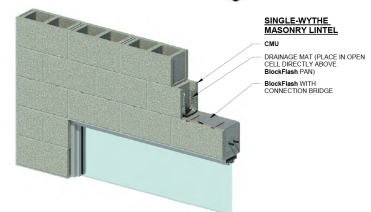
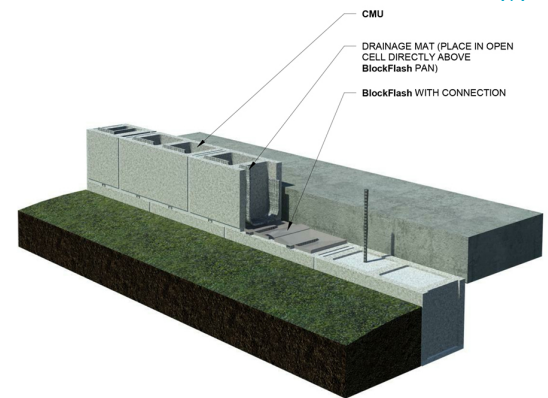
General Contractor: _____

Bid Date: _____

Comments: _____

 **BlockFlash™**

1 / 1





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BLOCKFLASH™ - A COMPLETE FLASHING SOLUTION FOR SINGLE-WYTHE CONCRETE MASONRY UNIT WALLS

Technical Data Sheet

Description

BlockFlash™ uses patented flashing pans to collect moisture in the wall and channel it to the exterior through integrated weep spouts. Its included drainage mesh provides hundreds of clear pathways for water to flow around mortar droppings inside the block cells so it can be collected by the pans.

Features

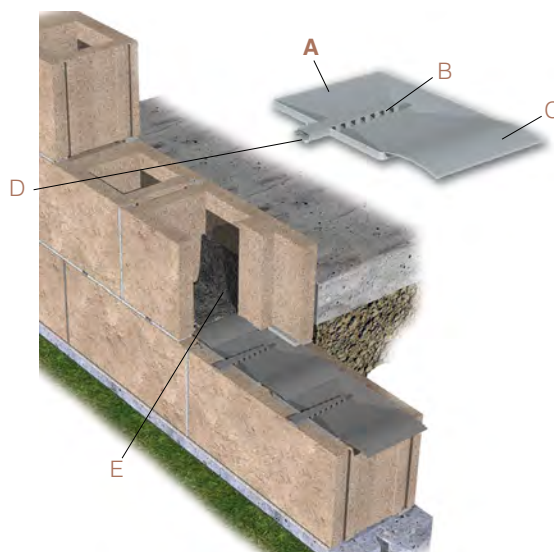
- High-density polypropylene sloped flashing pans with integrated edge flanges and integrated weep spouts catch and funnel water to the wall exterior
- 7" x 16" and 7" x 14" drainage mats made of 90% open weave polyester mesh
- Factory-installed 90% open weave polyester mesh insect guards keep insects out of the block cells
- Available for 6", 8", 10", 12" standard or insulated CMUs
- Drainage mats for 8", 10", and 12" sizes are 7" x 16"; Drainage mats for 6" size are 7" x 14"
- Snap-off connector bridge allows fast and easy pan installation in reinforced wall systems and at corners
- Drip spouts deflect moisture away from wall to help prevent water marks, efflorescence
- Drip spouts include a 45° drip edge to deflect moisture away from the wall and help prevent water marks and efflorescence

Sizes and Packaging

PAN	HEIGHT	WIDTH	LENGTH	PANS + DRAINAGE MATS/BOX
6"	5/16"	4-1/8"	6-3/4"	100
8"	5/16"	5-5/8"	6-3/4"	100
10"	5/16"	7-5/8"	6-3/4"	100
12"	5/16"	9-5/8"	6-3/4"	100

Recycled Content

MATERIAL	RECYCLED CONTENT
Flashing pan	40% Pre-consumer
Drainage mesh	40% Pre-consumer



A. BlockFlash flashing pan

B. Weep Spouts

C. Connector Bridges

D. Insect Guards

E. Drainage Mat

Quantity Formula

To determine the number of pans needed on your wall, use this formula:

$$\# \text{ of pans needed} = [(\text{LF of wall} \times 0.75) \times 2] \text{ minus } \# \text{ of grouted cells}$$



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 **BlockFlash™**

Installation Instructions/Packing Slip

1/4

**Match 6", 8", 10" or 12" block
to the corresponding BlockFlash size**

**The Complete Flashing System
For Single Wythe C.M.U. Construction**

1. Layout (for above grade only)

Lay the course(s) of block below the desired flashing level until above grade. BlockFlash is to be installed **ABOVE GRADE ONLY**.

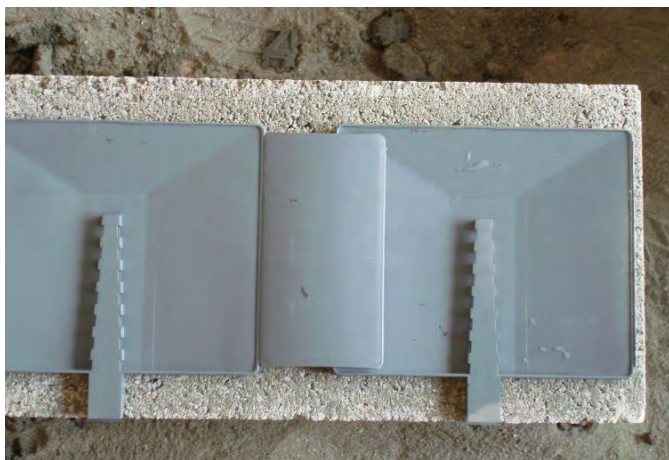


2. Placement

OPTION A: Install the BlockFlash course by spacing units over the cores of each block.

OPTION B: Install the BlockFlash course evenly along the formed concrete foundation or slab.

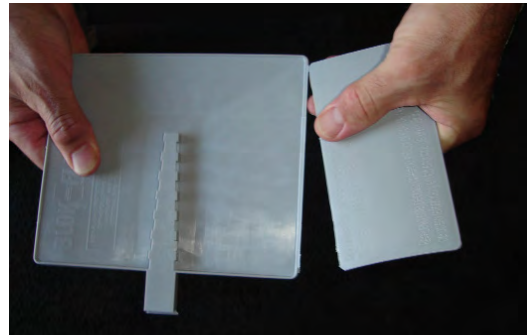
FOR BOTH OPTIONS A & B: Use the reference lip on bottom of the BlockFlash spout to position the pan against front of foundation or block. The drip edge on the weep spout will extend slightly. Make sure the connector bridges overlap the next pan. This will divert water into adjoining BlockFlash pans.



3. Vertical rebar / grouted cells / corners

Where walls are reinforced, eliminate the BlockFlash pan at the grouted core and detach the connector bridge from the adjoining pan by bending it back and forth a few times. Use same technique for corners.

Cross bed webs adjacent to the grouted core making sure to overlap the BlockFlash flange. Use same technique for corners.





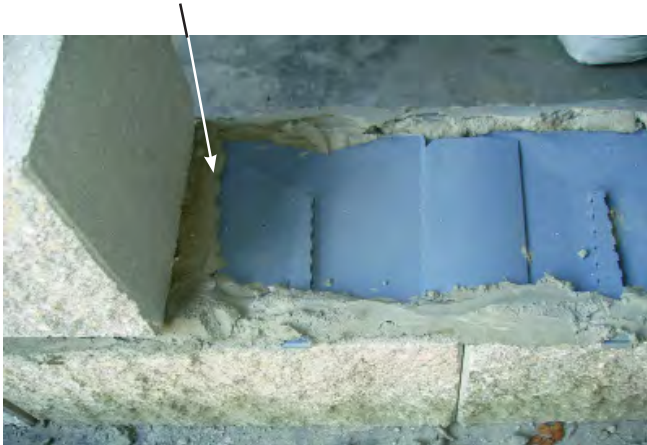
Installation Instructions/Packing Slip

2/4

**Match 6", 8", 10" or 12" block
to the corresponding BlockFlash size**

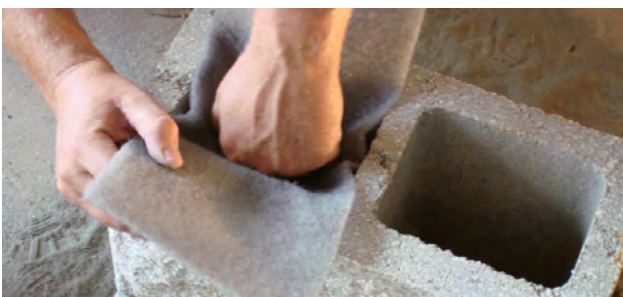
4. Mortar spreading

Use standard mortar spreading techniques with mortar lapped, first over the inner and second over the outer flanges of the BlockFlash pans. This will stabilize the pans during installation and later help divert moisture into the BlockFlash pans. Apply end dam front to back at grouted cell.



5. Drainage

Install one 7" x 14" Drainage Mat in each CMU core in the course directly above the pan course. 6" pans should run continuously so the bridge of each pan overlaps into the pan next to it, as with the other sizes, but the 6" size pans may not align perfectly over every CMU cell or structural brick core. The Drainage Mat for all sizes should be installed front to back in CMU cells, not side to side, and should touch both walls of the CMU and the BlockFlash pan. Properly installed Drainage Mats catch and suspend mortar droppings above the pans and provide pathways for water to flow past the droppings to the pans.



6. Tooling

Tool all head and bed joints and remove any obstruction from the weep spouts.



For Technical Support or if you have any questions regarding this product, please call 1-800-664-6638 or visit our website at www.mortarnet.com

NOTE: For the best drainage possible use insulation consisting of one of the following: loose fill, core inserts or other insulation methods that will not obstruct the downward migration of moisture. Contact your nearest masonry supplier for information on this system.



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 **BlockFlash™**

Instrucciones de instalación/Guía de empaque

3/4

Combine bloques de 6", 8", 10" o 12" con el tamaño de BlockFlash correspondiente

1. Instalación (en sobre-nivel únicamente)

Instale la o las hiladas de bloques por debajo del nivel vierteaguas deseado hasta el sobre-nivel. BlockFlash debe instalarse en SOBRE-NIVEL ÚNICAMENTE.

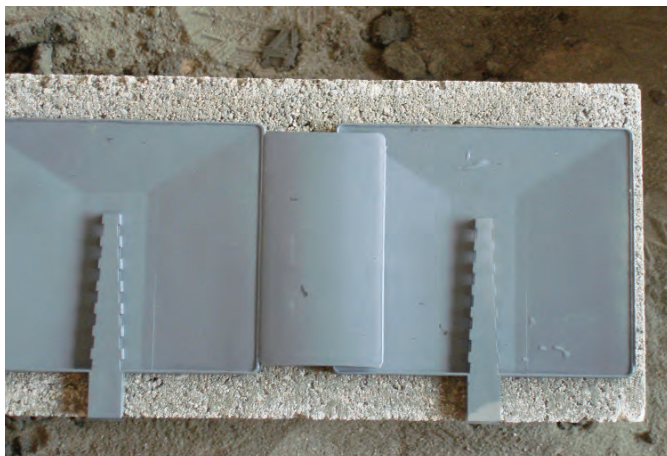


2. Colocación

OPCIÓN A: Instale la hilada de BlockFlash espaciando las unidades sobre los núcleos de cada bloque.

OPCIÓN B: Instale la hilada de BlockFlash uniformemente a lo largo de la cimentación o losa de concreto formada.

PARA AMBAS OPCIONES A Y B: Use el reborde de referencia en la parte inferior del vertedero BlockFlash para posicionar la bandeja contra el frente de la cimentación o bloque. El borde de escurrimiento en el vertedero se extenderá ligeramente. Asegúrese de que los puentes conectores solapen la bandeja siguiente. De este modo se desvía el agua hacia las bandejas BlockFlash adjuntas.

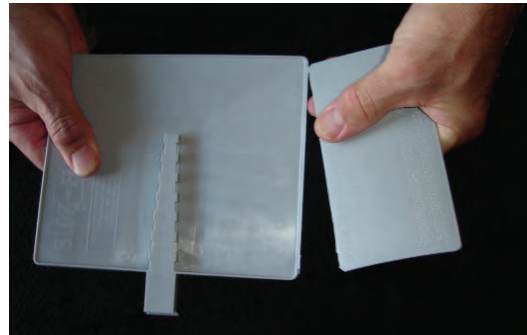


El sistema vierteaguas completo para construcción con bloques de concreto de pilastra simple

3. Varillas de refuerzo vertical / celdas emplastadas / esquinas

Ahí donde van los refuerzos de las paredes, no instale la bandeja BlockFlash en el núcleo emplastado y desprenda el puente conector de la bandeja adjunta doblándolo hacia atrás y hacia adelante varias veces. Use la misma técnica para las esquinas.

Cruce las mallas de base junto al núcleo emplastado asegurándose de solapar la brida del BlockFlash. Use la misma técnica para las esquinas.





Instrucciones de instalación/Guía de empaque

4/4

Combine bloques de 6", 8", 10" o 12" con el tamaño de BlockFlash correspondiente

4. Esparcimiento del mortero

Use técnicas estándar para esparcir el mortero solapando el mismo, primero sobre la parte interna y luego sobre las bridas externas de las bandejas BlockFlash. De este modo estabiliza las bandejas durante la instalación y ayuda a desviar la humedad hacia las bandejas BlockFlash. Aplique un dique de extremo del frente hacia atrás en la celda emplastada.



5. Drenaje

Instale un malla de drenaje de 7" x 14" en cada núcleo de bloque de concreto en la hilada directamente arriba de la hilada de bandejas. Las bandejas de 6" deben tenderse continuamente de modo que el puente de cada bandeja solape la bandeja siguiente, así como con los otros tamaños, pero puede ser que las bandejas de 6" no se alineen perfectamente sobre cada celda de bloque de concreto o núcleo de ladrillo estructural. La malla de drenaje para todos los tamaños debe instalarse del frente hacia atrás en las celdas del bloque de concreto, no de lado a lado, y debe tocar ambas paredes del bloque de concreto y la bandeja BlockFlash. Las mallas de drenaje instaladas correctamente atrapan y suspenden los escurrimientos de mortero arriba de las bandejas y permiten que el agua fluya pasando los residuos hasta las bandejas.



6. Herramientas

Trabaje todas las juntas superiores e inferiores y elimine cualquier obstrucción de los vertederos.



Para Soporte técnico o si tiene alguna pregunta respecto a este producto, llame al 1-800-664-6638 o visite nuestro sitio web en www.mortarnet.com

NOTA: Para el mejor drenaje posible use uno de los siguientes aislamientos: relleno suelto, insertos de núcleo u otros métodos de aislamiento que no obstruyan la migración de la humedad hacia abajo. Para más información sobre este sistema, contacte a su proveedor de mampostería más cercano.



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6575 Daniel Burnham Dr., Suite G, Portage, Indiana 46368
P 800 664 6638 F 219 787 5088
www.mortarnet.com

Certificate of Compliance

This letter is to certify that BlockFlash® (*formerly Blok-Flash®*) meets specifications as described.

BlockFlash® was tested in accordance with ASTM C1072-94 for measurement of masonry flexural bond strength and ASTM E514-90 for water penetration of masonry.

BlockFlash® 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'.

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



Test Results

SOIL AND MATERIALS ENGINEERS, INC.
MASONRY FLEXURAL BOND STRENGTH TESTING

1/2

SME PROJECT No. PM31660

DATE: Prisms Constructed - September 24, 1998
Tested - October 23, 1998

PROJECT: BLOK-FLASH™ - Water Penetration Performance Program

TEST LOCATION: SME Laboratory, Plymouth MI.

PANEL MATERIALS: Concrete Masonry Units (CMU) - 8" Flanged Units
Mortar Type S - Masonry Cement
Blok-Flash - 8" Type pans with Bridge Units
Flashing - Through -wall - 40 mil EPDM

PANEL CONSTRUCTION:
Two Block Prisms - ASTM C-1314-95
Size - 16" length x 16" height

PROCEDURE:

A. VISUAL AND DIMENSIONAL VERIFICATION

Visual review of the construction of the test prisms was performed to verify compliance with the manufacturer's recommended flashing installation details.

B. FLEXURAL BOND

Testing was in accordance with ASTM C 1072-94, Standard Test Method for Measurement of Masonry Flexural Bond Strength. The material used in the construction of the prisms was from the same run and allowed to stabilize prior to use. The client provided one mason to construct the three sets of prisms as follows.

Set 1 - No Flashing - Used as a Base Line

Set 2 - Installed Blok-Flash system per manufacturer's Installation Instructions and Details for non-insulated 8" CMU.

Set 3 - Installed 40 mil - EPDM Through-wall flashing system per the recommended MIM generic details for non-insulated 8" CMU.

The prisms were allowed to cure for 28 days prior to testing. The prisms were tested in a Bond Wrench Test Jig meeting the requirements of ASTM C 1072-94, Section 7, Procedures.

TEST FINDINGS:

A. VISUAL AND DIMENSIONAL VERIFICATION

Review of the flashing system installation and verification of the unit's condition was performed prior to the bond testing. The construction and installation of the flashing systems were in substantial compliance with the manufacturer's specifications or details. No visual deficiencies or variances from the installation instructions or design were observed.

AMBIENT LABORATORY - TEST CONDITIONS:

Temperature - Interior 71.2°F	Barometer 29.70	Rel. Humidity - Interior 34%
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B. BOND STRENGTH

The testing was performed in accordance with the referenced ASTM test procedures for each of the three sets of prism samples. The results of the testing is presented in Table No. 1

Test Results

MASONRY FLEXURAL BOND STRENGTH TESTING SME PROJECT No. PM31660 Page 2

2/2

**TABLE No.1
FLEXURAL BOND STRENGTH**

SAMPLE No.	TYPE OF FLASHING	BOND STRENGTH (psi)
A - 1	None	106.1 psi
A - 2	None	101.6 psi
A - 3	None	92.8 psi
A - 4	None	90.5 psi
A - 5	None	95.1 psi
AVERAGE SET A	None - Base Line	97.2 psi
B - 1	BLOK-FLASH	57.5 psi
B - 2	BLOK-FLASH	55.3 psi
B - 3	BLOK-FLASH	56.5 psi
B - 4	BLOK-FLASH	58.4 psi
B - 5	BLOK-FLASH	55.3 psi
AVERAGE SET B	BLOK-FLASH	56.6 psi
C - 1	Through-Wall	6.5 psi
C - 2	Through-Wall	5.7 psi
C - 3	Through-Wall	3.9 psi
C - 4	Through-Wall	5.2 psi
C - 5	Through-Wall	5.7 psi
AVERAGE SET C	Through-Wall	5.4 psi

CONCLUSION:

The three sets of prisms represent typical masonry construction. The testing indicated the prisms constructed with the Blok-Flash system provided 10 times greater bond at the exterior bed joint, than the membrane through-wall flashing system. The Blok-Flash system produced a bond reduction of 41.7% from the base line (no flashing) set of prisms.

Testing of a wall sample which included a 100% wall separation with membrane flashing was not performed. This type of flashing has no bond by design and therefore, the test criteria used (ASTM C1072-94) in this evaluation would not apply to these systems.

Reported By: 
John C. Zarzecki, C.E.T., NDT/E L-III
Senior Materials Consultant

JCZ/H/Tens.doc





Safety Data Sheet

BlockFlash™ Mesh

1/5
Issue Date: 2015/May/05

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™ 6575 Daniel Burnham Drive, Suite G, Portage, IN 46368
ph (800)-664-6638 fax 219-757-5088
www.mortarnet.com
Emergency Contact: CHEMTREC (800)-424-9300

Article: Non-woven polyester fibers bonded with acrylic polymers
Code(s): 315009, 315014, 315015

Section 2: Hazards Identification

GHS08



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

Precautionary Statements: Contains a chemical which may cause cancer.

Section 3: Composition / Information on Ingredients

Ingredients (name)	CAS#	Weight %
Polyethylene Terephthalate (fiber)	25038-59-9	55-80%
Polyvinyl Chloride Polymer	Unknown	15-40%
Finish	Unknown	< 1%
Pigment Colorant	various	<3%
Antimony Trioxide	1309-64-4	2-4%
Diiodomethyl-p-tolylsulfone	20018-09-1	<1%



Safety Data Sheet

BlockFlash™ Mesh

2/5
Issue Date: 2015/May/05

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.

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



Safety Data Sheet

BlockFlash™ Mesh

3/5

Issue Date: 2015/May/05

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 on the form and concentration of the contaminate in air and in accordance with OSHA Respiratory protection Standard CFR 1910.134.
Additional Information:	

Substances with Exposure Limits	CAS#	ACGIH-TLV	OSHA-PEL	OTHER
Antimony Trioxide	1309-64-4	A2	0.5 mg/m ³	

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 ³):	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:	



Safety Data Sheet

BlockFlash™ Mesh

4/5

Issue Date: 2015/May/05

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 polyvinyl chloride, encapsulate the antimony trioxide and particles, 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:
Antimony Trioxide	>34600 mg/kg (Rat)			
Diiodomethyl-Ptolysulfone Antimicrobial	>5000 mg/kg	>5000 mg/kg		

Carcinogenicity or Mutagenicity:	Antimony Trioxide suspected human carcinogen - ACGIH
Other Notes:	

Section 12: Ecological Information

General Information:	No data
Aquatic Toxicity:	Antimony Trioxide: 96 Hr LC50 fathead mino: 883.0 mg/L Diiodomethyl-Ptolysulfone : LC50 (rainbow trout): 0.067 mg/l Exposure time : 96 h
Degradation Info:	No data
Other Info:	



Safety Data Sheet

BlockFlash™ Mesh

5/5

Issue Date: 2015/May/05

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:	Article is exempt for TSCA Inventory listing requirements
CERCLA RQ:	Antimony Trioxide 1000 lb final RQ
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, contains Antimony Trioxide
California Prop 65 Substances:	Antimony Trioxide 1000 lb final RQ
Canadian DSL:	Contains Antimony Trioxide
WHMIS Disclosure:	Not a controlled product

Section 16: Other Information

HAZARDOUS MATERIALS IDENTIFICATION SYSTEM (HMIS):

Health	Flammability	Reactivity
0	0	0

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

Health	Flammability	Reactivity	Specific
0	0	0	

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

FBADS File: 15004

Version: 1

Version Date: 2015-May-05

As of the date of preparation of this document, the foregoing information is believed to be accurate and is provided in good faith to comply with applicable federal and state law(s). However, no warranty or representation with respect to such information is intended or given.



Safety Data Sheet

BlockFlash™ Flashing Pans 8",10",12"

1/6

Issue Date: 2015/June/30

Safety Data Sheet as per 149 CFR 1910.134, 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™ 6575 Daniel Burnham Drive, Suite G, Portage, IN 46368
ph (800)-664-6638 fax 219-757-5088 www.mortarnet.com
Emergency Contact: CHEMTREC (800)-424-9300

Article: Polypropylene Copolymer Resin
Code(s): 1006

Section 2: Hazards Identification

GHS Signal Word: None
GHS Hazard Phrases: No phrases apply.
GHS Precaution Phrases: No phrases apply.
GHS Response Phrases: No phrases apply.
GHS Storage and Disposal Phrases: No phrases apply.

OSHA Regulatory Status: While this material is not classified as hazardous under OSHA regulations, this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product.

Potential Health Effects (Acute and Chronic): The components of this product are embedded in an impervious polymer matrix and therefore present a negligible exposure risk under normal conditions of processing and handling.

Inhalation: Fumes produced during melt process may cause eye, skin and respiratory irritation. Secondary operations such as material transfer, grinding, sanding or sawing can produce combustible dust.

Skin Contact: Heated material can cause thermal burns resulting in pain, redness and blistering.

Eye Contact: May cause eye irritation.

Ingestion: May be harmful if swallowed.

Medical Conditions Generally None known.

Aggravated By Exposure:



Safety Data Sheet

BlockFlash™ Flashing Pans 8",10",12"

2/6

Issue Date: 2015/June/30

Section 3: Composition / Information on Ingredients

CAS#	Hazardous Components (Chemical Name)	Concentration
NA	None	~100 %

Section 4: First Aid Measures

Emergency and First Aid Procedures:	For processing fume inhalation, leave the contaminated area and breathe fresh air.
In case of Inhalation:	Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid.
In Case of Skin Contact:	Get medical aid if irritation develops or persists. Flush skin with plenty of soap and water.
In Case of Eye Contact:	In case of contact, immediately flush eyes with copious amounts of water for at least {15} minutes.
In Case of Ingestion:	If swallowed, wash out mouth with water provided person is conscious. Call a physician.

Signs and Symptoms of Exposure:	The components of this product are embedded in an impervious polymer matrix and therefore present a negligible exposure risk under normal processing conditions.
Note to Physician:	None

Section 5: Fire Fighting Measures

Flash Pt:	NA	Method Used:	Not Applicable
Explosive Limits:	LEL: NA		UEL: NA
Autoignition Pt:	NA		

Suitable Extinguishing Media: Water spray and foam. Water is the best extinguishing medium.

Fire Fighting Instructions: Emits toxic fumes under fire conditions. Approved positive pressure demand breathing apparatus (SCBA) and protective clothing should be used for all fires.

Flammable Properties and Hazards: Carbon dioxide and carbon monoxide generated when the material burns. Combustible Dust may form during material transfer. Estimated Dust Explosion Class=ST2; Kst estimated (bar.m/s): >200 - <=300

Section 6: Accidental Release Measures

Steps To Be Taken In Case Material Is Released Or Spilled: Vacuum or sweep up material and place into a suitable disposal container.



Safety Data Sheet

BlockFlash™ Flashing Pans 8",10",12"

3/6
Issue Date: 2015/June/30

Section 7: Handling and Storage

Precautions To Be Taken in Handling:

Use with adequate ventilation. Minimize dust generation and accumulation as combustible dust mixtures may be formed.

Precautions To Be Taken in Storing:

Store in a cool, dry place.

Section 8: Exposure Control / Personal Protection

CAS #	Partial Chemical Name	OSHA TWA	ACGIH TWA	Other Limits
NA	NONE			
Respiratory Equipment (Specify Type)	Follow the OSHA respirator regulations found in {149} CFR {1910.134} or European Standard EN {149}. Use a NIOSH/MSHA or European Standard EN {149} approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.			
Eye Protection:	Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in {1910.133} CFR {1910.133} or European Standard EN166.			
Protective Gloves:	Wear appropriate protective gloves to minimize skin exposure.			
Other Protective Clothing:	Wear appropriate protective clothing to minimize contact with skin.			
Engineering Controls:	Use adequate ventilation to keep airborne concentrations low. Use process enclosure			
Ventilization(ETC.)	local exhaust ventilation, or other engineering controls to control airborne levels.			
Work/Hygienic/Maintenance	Wash thoroughly after handling			

Section 9: Physical and Chemical Properties

Physical States:	[] Gas [] Liquid [X] Solid
Appearance and Odor:	Pellets with slight or no odor
pH:	
Melting Point:	110.00 C (230.0 F) - 140.00 C (284.0 F)
Boiling Point:	NA
Flash Pt:	NA Method Used: Not Applicable
Evaporation Rate:	NA
Explosive Limits:	LEL: NA UEL: NA
Vapor Pressure (vs. Air or mm Hg):	NA
Vapor Density (vs. Air = 1):	NA
Specific Gravity (Water = 1):	> 1
Solubility in Water:	NA
Solubility Notes:	Insoluble in cold water.
Octanol/Water Partition Coefficient	
Percent Volatile:	< 1.0 %
Autoignition Pt: NA	
Decomposition Temperature:	> 300.00 C (572.0 F)
Viscosity:	



Safety Data Sheet

BlockFlash™ Flashing Pans 8",10",12"

4/6
Issue Date: 2015/June/30

Section 10: Stability and Reactivity

Stability:

Unstable [] Stable [X]

**Conditions To Avoid -
Instability:**

Stable under recommended conditions of storage and handling.

**Incompatibility - Materials To
Avoid:**

No special recommendations.

**Possibility of
Hazardous Decomposition or
Byproducts:**

Processing fumes evolved at recommended processing conditions may include trace levels of low molecular weight hydrocarbon fragments, carbon dioxide, carbon monoxide and irritation fumes and gas.

**Possibility of Hazardous Reactions:
Conditions To Avoid -**

Will occur [] Will not occur [X]
Under normal conditions of use, hazardous decomposition will not occur.

Hazardous Reactions:

Section 11: Toxicological Information

Toxicological Information:

**Carcinogenicity/Other
Information:**

CAS #	Hazardous Components (Chemical Name)	NTP	IARC	ACGIH	OSHA
NA	None	NA	NA	NA	NA

Section 12: Ecological Information

**General Ecological
Information:**

This product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

**Persistence and
Degradability:**

No data available.

**Bioaccumulative
Potential:
Mobility in Soil
water:**

This product will not readily bioaccumulate due to its insolubility in water.

Soil mobility is expected to be negligible, because the product is insoluble in water.



Safety Data Sheet

BlockFlash™ Flashing Pans 8",10",12"

5/6

Issue Date: 2015/June/30

Section 13: Disposal Considerations

Waste Disposal Method: Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in {261} CFR Parts {261.3}. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.
RCRA P-Series: None listed.
RCRA U-Series: None listed.

Section 14: Transport Information

LAND TRANSPORT (US DOT):

DOT Proper Shipping Name: Not regulated as a hazardous material.

DOT Hazard Class:

UN/NA Number:

AIR TRANSPORT (ICAO/IATA):

ICAO/IATA Shipping Name: Non-Hazardous for Air Transport.

Section 15: Regulatory Information

EPA SARA (Superfund Amendments and Reauthorization Act of 1986) Lists

CAS #	Hazardous Components (Chemical Name)	S. 302 (EHS)	S. 304 RQ	S. 313 (TRI)
NA	NONE	No	No	No

This material meets the EPA 'Hazard Categories' defined for SARA Title III Sections 311/312 as indicated:

☐ Yes ☒ No	Acute (immediate) Health Hazard
☐ Yes ☒ No	Chronic (delayed) Health Hazard
☒ Yes ☐ No	Fire Hazard
☐ Yes ☒ No	Sudden Release of Pressure Hazard
☐ Yes ☒ No	Reactive Hazard

CAS #	Hazardous Components (Chemical Name)	Other US EPA or State Lists
NA	NONE	CAA HAP,ODC: No; CWA NPDES: No; TSCA: No

CAS #	Hazardous Components (Chemical Name)	International Regulatory Lists
NA	NONE	Canadian DSL: No; Canadian NDSL: No; Mexico INSQ: No REACH: No



Moisture
Management
for Masonry



Safety Data Sheet

BlockFlash™ Flashing Pans 8",10",12"

6/6

Issue Date: 2015/June/30

Section 16: Other Information

Revision Date: 06/30/2015

Safety & Environmental Department

Preparer Name:

Additional Information About This Product:

Information given herein is offered in good faith as accurate, but without guarantee. The conditions of use and suitability of the product for an application is beyond our control. All risks of use of the product are therefore assumed by the user and we expressly disclaim all warranties of every kind of nature, including warranties of merchantability and fitness for a particular purpose in respect to the use or suitability of this product. Appropriate warnings and safe handling procedures should be provided to handlers and users.



Moisture
Management
for Masonry

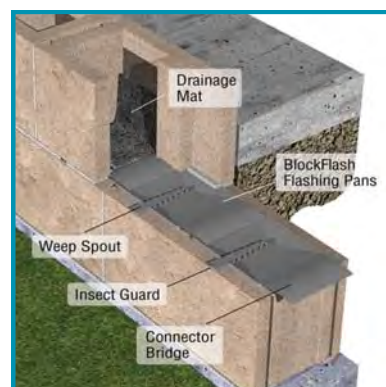
Product:	BlockFlash®
Manufacturer:	Mortar Net Solutions™ 6575 Daniel Burnham Drive, Suite G Portage, IN 46368 (p)- 1-800-664-6638 (f)- 1-219-787-5088 info@mortarnet.com

Date:	
Project :	
Location:	

Credit MR4.1 and 4.2: Recycled Content	Drainage Mesh	Flashing Pan
Percentage of Pre-consumer ¹ Recycled Content by Weight:	40%	40%
Percentage of Post-consumer Recycled Content by Weight:		

Credit MR5.1 and 5.2: Regional Materials

Final Assembly/Manufacturing Address:	6575 Daniel Burnham Dr, Suite G Portage, IN 46368
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Drainage Mat		
Product Composition Material:	Percentage of Material by Weight:	Manufacturing Location:
Polyester Fiber	54.3%	Columbia, SC (Richland)
Water-borne Polymer	45.7%	Cleveland, OH (Cuyahoga)

Flashing Pan		
Product Composition Material:	Percentage of Material by Weight:	Manufacturing Location:
Virgin Polypropylene	58%	Northbrook, IL (Cook)
Polypropylene	40%	Gurnee, IL (Lake)
Colorant	2%	Not Available

Notes:

¹ Pre-Consumer recycled content previously referred to as post-industrial

12/04/2014 GS