TotalFlash®

Product Submittal Sheet

TotalFlash® 50 Ft. Flashing Rolls - Membrane Materials

Description

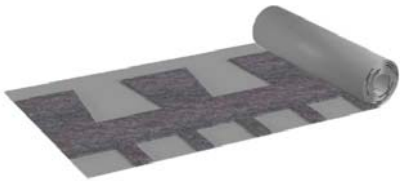
TotalFlash® 50 ft. Flashing Rolls feature an integrated 90% open-mesh drainage mat with weep tabs factory-bonded to the material, eliminating the need for separate mortar collection devices and weep vents. TotalFlash® 50 ft. Flashing Roll membranes are available in 4 materials: 45-mil Ethylene Propylene Diene Mono-mer (EPDM), 40-mil Rubberized Asphalt, 40-mil Thermoplastic Polyolefin (TPO) or 5-ounce Copper Laminate.

Membrane Materials - (left to right) Ethylene Propylene Diene Monomer (EPDM), Thermoplastic Polyolefin (TPO), Rubberized Asphalt & Copper Laminate

Short Form Spec

Install TotalFlash® 50 ft. Flashing Roll with adhered drainage mat and weep tabs factory-bonded to the material. Drainage mat and weep tabs made from recycled polyester material impregnated with UV protection, biocide to resist mold and flame retardant. Woven mesh design to allow moisture to migrate to the integrated weep tabs; product adhered to the flashing membrane material.

Product: Subject to compliance with requirements, provide TotalFlash® 50 ft. Flashing Rolls by Mortar Net Solutions™.



TotalFlash® 50 ft. Rolls

Manufacturer

Mortar Net Solutions™
6575 Daniel Burnham Drive Ste G. Portage, IN 46368
D (800) 664-6638 F (219) 787-5088 Email: info@mortarnet.com
www.mortarnet.com

Specifier Note: *TotalFlash® 50 ft. Flashing Roll with adhered drainage mat and weep tabs factory-bonded to the material. Mortar Collection Mesh and Weep Tabs: Drainage/Weep System; recycled polyester material, 3/8 inch thick, 10 inches high, 66 inches long. Woven mortar collection mesh and integrated mesh weep tabs designed to allow moisture to migrate to the exterior of the building; mesh factory-adhered to the flashing membrane. Standard membrane size: 18"wide x 0.040"thick. Additional available widths: 12", 18", & 24". Custom widths available on re-quest. Available in 5 materials: 45-mil Ethylene Propylene Diene Monomer (EPDM), 40-mil Rubberized Asphalt, 40-mil Thermoplastic Polyolefin (TPO) or 5-ounce Copper Laminate.*

Substitutions

No substitutions permitted.

Available Sizes

- ☐ 12" x 50-feet (50-foot net)
- ☐ 18" x 50-feet (50-foot net)
- ☐ 24" x 50-feet (50-foot net)
- ☐ Custom Size

Membranes

- ☑ 45 mil EPDM
- ☐ 40 mil Rubberized asphalt
- ☐ 40 mil Thermoplastic polyolefin
- ☐ 5 oz. Copper laminate

Specification Title: _____

Project: _____ Date: _____

Firm: _____ Phone: _____

Approval: _____ Date: _____

General Contractor: _____

Bid Date: _____

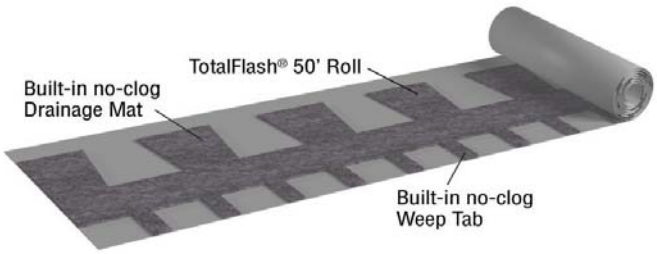
Comments: _____

TotalFlash®

Technical Data Sheet – TotalFlash Rolls

Description

The patented TotalFlash Roll Cavity Wall Drainage Solution is a factory-assembled masonry cavity wall flashing system. It combines a flashing membrane, mortar dropping collection drainage mat, and drainage mesh weep tabs into a single, easy-to-install 50' roll. It provides superior moisture protection, slashes labor costs, and can be custom configured for your job, usually at no additional charge.



Features

- Sold in 50' rolls
- 90% open-weave polyester mesh mortar dropping collection mat and weep tabs
- 18" standard height
- Additional available sizes: 12", 24" (Custom sizes available on request)
- Four available membranes
- FREE takeoff service and custom sizing
- Drip edges, termination bars, and termination bar mounting screws available separately

Sizes and Packaging

STANDARD THICKNESS	ROLL HEIGHT	ROLL LENGTH	ROLLS/BOX	LF/BOX
EPDM - 0.045˝	12˝	50'	3	150
All other membranes - 0.040˝	18˝	50'	2	100
	24˝	50'	1	50

- Custom sizes are available upon request
- 100 self-tapping #14 x 2" termination bar screws per box

Recycled Content

MATERIAL	RECYCLED CONTENT
Drainage mat/weep tabs	40% Pre-consumer
PVC termination bar	100% Pre-consumer
Stainless steel drip edge	80% Post-consumer
Kynar® drip edge	23% Post-consumer

LEED form availabe on website, mortarnet.com

TotalFlash®

Technical Data Sheet - TotalFlash Rolls

Components Options

- Flashing membranes
  - Rubberized Asphalt: 0.032" rubberized asphalt bonded to 0.008"polyethylene film, self-adhering, excellent tensile/elongation/permanence characteristics, temperature resistant to 245° F
  - Copper Laminate: 5 oz. Copper sheet reinforced with 2 layers of fiberglass fabric
  - Thermoplastic Polyolefin (TPO): UV stable, ozone resistant, chlorine-free, recyclable
  - EPDM synthetic rubber

Available Options Sold Separately

- Termination bars
  - PVC: 1.125" high x 0.120" thick x 10' 0" long, UV stabilized, non-migratory plasticizers, high strength, corrosion resistant, predrilled holes
  - Stainless Steel: 0.750" high x 16 gauge thick, ¼" lip, pre-drilled holes 6" on-center, 100% recyclable
  - Stainless Steel: 1.25" high x 16 gauge thick x 59-5/8" long, 1/2" lip, predrilled holes 6" on-center, 100% recyclable
- Drip edges
  - Stainless Steel: 3.0" high x 26 gauge, 3/8" hemmed edge, 100% recyclable
  - Cold-rolled Copper: 3.0" high x 24 gauge, 3/8" hemmed edge, 100% recyclable
  - Kynar®-coated galvanized steel: 3.0" high x 24 gauge, 3/8" hemmed edge, 4 color choices (Almond, Tan, Gray, Terra-cotta)
- CompleteFlash™ - PVC, TPO, or synthetic rubber/polypropylene blend (RP)
  - 14" High inside/outside Corner Boots
  - End Dams: right, left, universal
- Metal Drip Edge Corners
  - Pre-formed outside 90°
  - Adjustable 325° to 22°
- Sealants
  - MPE-1 Modified Polyether
  - BTL-1 Butyl

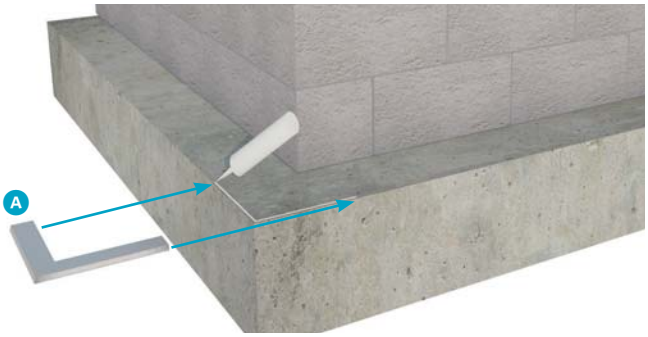
TotalFlash®

INSTALLATION GUIDE *A*

Notes:
• The use of Carborundum Saw blades to cut the Stainless Steel Drip Edge can result in a slight surface rust on any exposed metal.
• Muriatic Acid at any dilution is not recommended on Stainless Steel.
• Uses a 5/32" Drill Bit & 5/16" Nut Driver

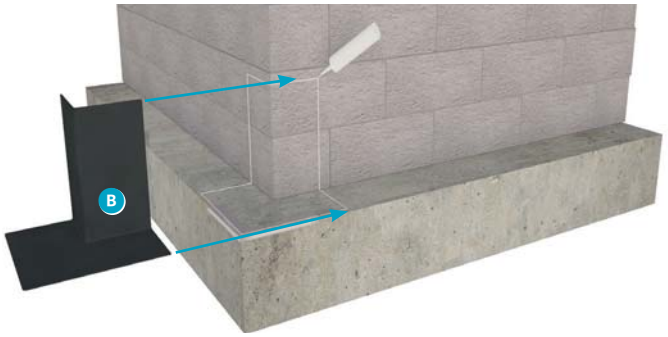
1 STEP ONE

Apply sealant / adhesive to prefabricated Stainless Steel Corner (A) using 1 bead of adhesive.



2 STEP TWO

Install pre-formed 14" Corner Boot (B) using 1 bead of sealant / adhesive.



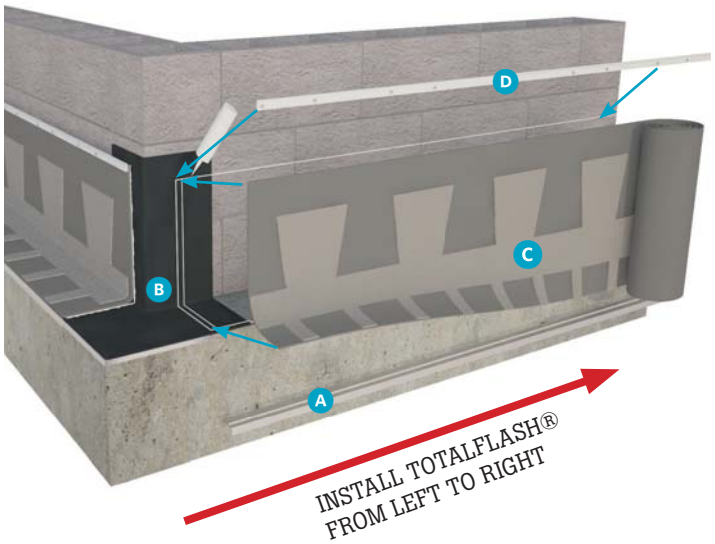
3 STEP THREE

Apply a bead of sealant under the Drip Edge and place directly on brick shelf (A).

Apply two vertical beads of sealant at the left edge of the TotalFlash Roll (B) where it meets the Corner Boot and two additional beads of sealant at the rear of the Termination Bar and top of Drip Edge.

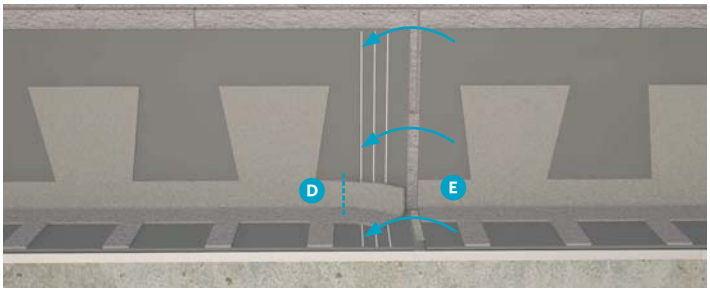
Place the TotalFlash Roll (C) in place and attach Termination Bar (D) to the flashing. Apply a bead of sealant on top side of Termination Bar to allow water to flow over termination bar to the flashing. ***NOTE:*** *When using* ***rubberized asphalt*** *it is recommended that the edge of the membrane be kept away from the face of the wall by 3/4".*

Sealant / Adhesive sets up quickly:
Install the Drip Edge on brick ledge. Create the crease at Drip Edge & backup wall until tight. Work the TotalFlash® up the wall creating a smooth tight fit. Attach Termination Bar to the backup wall. Termination



4 LAPPING THE TOTALFLASH® ROLL

Lapping the TotalFlash Roll Product is as easy as making one cut to the right of a dovetail center where the drainage mat is not adhered to the membrane (E). Simply remove the loose drainage mat from the membrane and lap the next piece directly to the membrane that is exposed (F). ***It is okay if the large portion of the dovetail pattern is directly adjacent to the previous dovetail.***



5 STEP FIVE

Install remaining rigid board insulation (if required) over TotalFlash. Lay a mortar bed directly on the TotalFlash weep tabs and install the brick veneer. For proper drainage, ensure the tips of the weep tabs are exposed when tooling the first mortar joint.

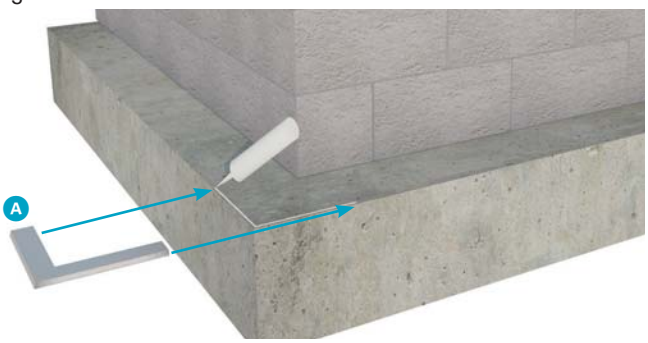
TotalFlash®

INSTALLATION GUIDE *B*

Notes:
• The use of Carborundum Saw blades to cut the Stainless Steel Drip Edge can result in a slight surface rust on any exposed metal.
• Muriatic Acid at any dilution is not recommended on Stainless Steel.
• Uses a 5/32" Drill Bit & 5/16" Nut Driver

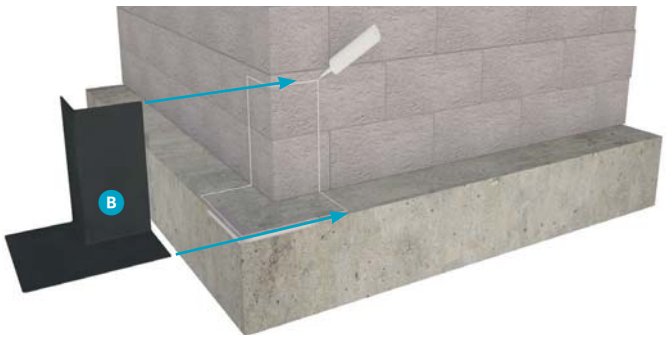
1 STEP ONE

Apply sealant / adhesive to prefabricated Stainless Steel Corner (A) using 1 bead of adhesive.



2 STEP TWO

Install pre-formed 14" Corner Boot (B) using 1 bead of sealant / adhesive.



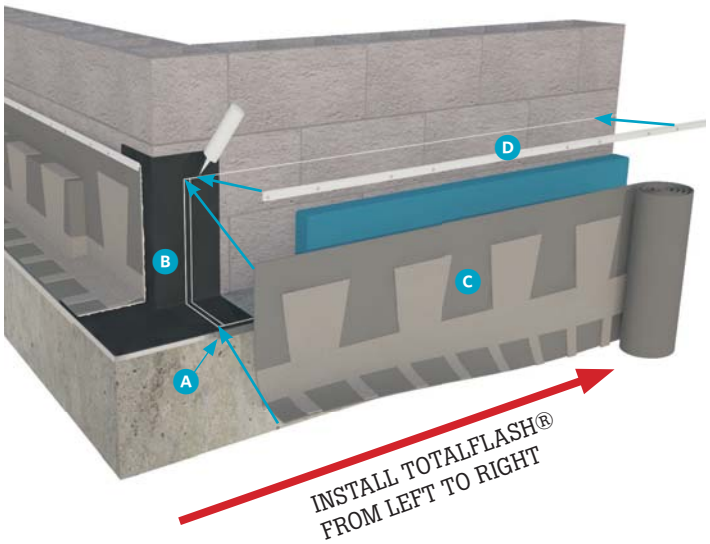
3 STEP THREE

Install 8" high sections of rigid insulation board against back up wall. Apply a bead of sealant under the Drip Edge (A) and place directly on brick shelf.

Apply two vertical beads of sealant at the left edge of the TotalFlash Roll (B) where it meets the Corner Boot and two additional beads of sealant at the rear of the Termination Bar and top of Drip Edge.

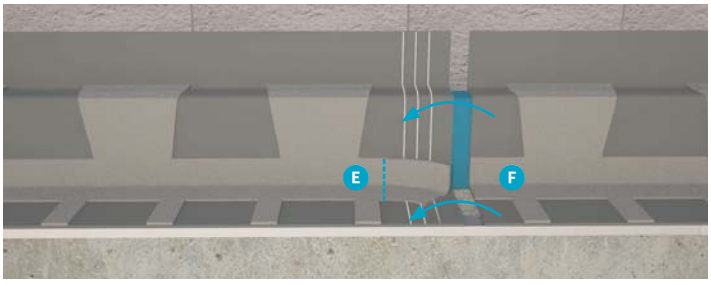
Place the TotalFlash Roll (C) in place and attach Termination Bar (D) to the flashing. Apply a bead of sealant on top side of Termination Bar to allow water to flow over Termination Bar to the flashing.
NOTE: *When using **rubberized asphalt** it is recommended that the edge of the membrane be kept away from the face of the wall by 3/4".*

Sealant / Adhesive sets up quickly:
Install the Drip Edge on brick ledge. Create the crease at Drip Edge & backup wall until tight. Work the TotalFlash up the wall creating a smooth tight fit. Attach Termination Bar to the backup wall. Termination Bars may not align horizontally.



4 LAPPING THE TOTALFLASH® ROLL

Lapping the TotalFlash Roll Product is as easy as making one cut to the right of a dovetail center where the drainage mat is not adhered to the membrane (E). Simply remove the loose drainage mat from the membrane and lap the next piece directly to the membrane that is exposed (F). ***It is okay if the large portion of the dovetail pattern is directly adjacent to the previous dovetail.***



5 STEP FIVE

Install remaining rigid insulation board.

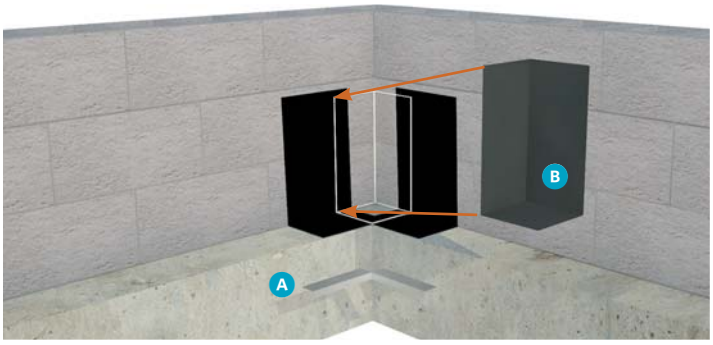
TotalFlash®

INSTALLATION GUIDE *INSIDE CORNER*

Notes:
• The use of Carborundum Saw blades to cut the Stainless Steel Drip Edge can result in a slight surface rust on any exposed metal.
• Muriatic Acid at any dilution is not recommended on Stainless Steel.
• Uses a 5/32" Drill Bit & 5/16" Nut Driver

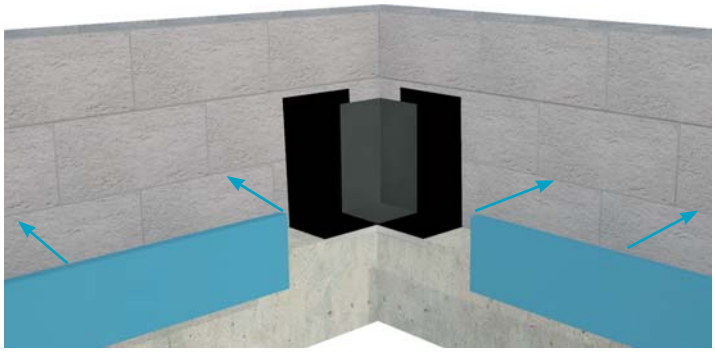
1 STEP ONE

Install Adjustable Corner A and pre-formed 14" Corner Boot B using 1 bead of sealant / adhesive.



2 STEP TWO

Install 8" high sections of rigid insulation board against backup wall 12" from corner if required.



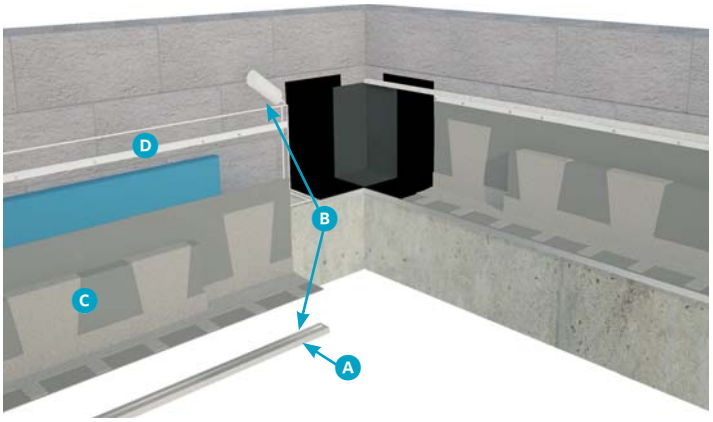
3 STEP THREE

Apply a bead of sealant under the Drip Edge A and place directly on brick shelf.

Apply two vertical beads of sealant at the left edge of the TotalFlash® Roll B where it meets the Corner Boot and two additional beads of sealant at the rear of the Termination Bar and top of Drip Edge.

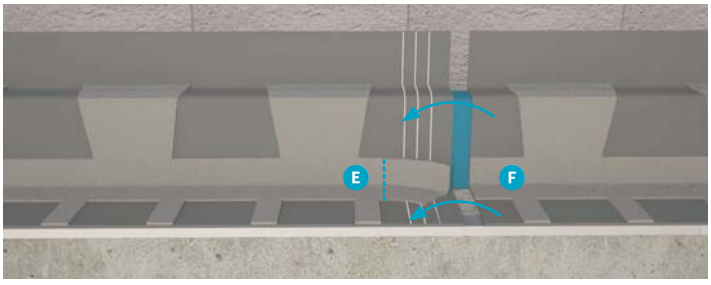
Place the TotalFlash® Roll C in place and attach Termination Bar D to the flashing. Apply a bead of sealant on top side of Termination Bar to allow water to flow over Termination Bar to the flashing.

Sealant / Adhesive sets up quickly:
Install the Drip Edge on brick ledge. Create the crease at Drip Edge & backup wall until tight. Work the TotalFlash® up the wall creating a smooth tight fit. Attach Termination Bar to the backup wall. Termination Bars may not align horizontally.



4 LAPPING THE TOTALFLASH® ROLL

Lapping the TotalFlash® Roll Product is as easy as making one cut to the right of a dovetail center where the drainage mat is not adhered to the membrane E. Simply remove the loose drainage mat from the membrane and lap the next piece directly to the membrane that is exposed F. ***It is okay if the large portion of the dovetail pattern is directly adjacent to the previous dovetail.***



5 STEP FIVE

Caulk top of Termination Bar G. Loose brick units can be used to temporarily hold down TotalFlash® while sealant / adhesive cures.

TotalFlash®

Material Safety Data Sheet

Date of preparation: 9/13/2013

Section 1 - Chemical Product and Company Identification

Product/Chemical Name: Carlisle EPDM Sheeting, Tapes and PS Flashing
Synonyms: Sure-Seal EPDM Membrane, Sure-Seal FR EPDM Membrane, Sure-Seal FleeceBACK EPDM Membrane, Sure-Seal PreKleened & Standard FR EPDM Membrane, Sure-Tough PreKleened Reinforced Standard Membrane, Sure-Tough Reinforced FR EPDM Membrane, Sure-White EPDM Membrane, Sure-Seal Polyepichlororhydrin Membrane, Sure-Seal PS Elastoform Flashing, Sure-Seal PS Cured Coverstrip, Sure-Seal PS Overlayment Strip, Sure-Seal PS Russ, Sure-Seal SecurTape, Sure-White SecurTape, Sure-White PS Elastoform Flashing, Sure-White PS Cured Coverstrip, Sure-White PS Russ. Sure-Seal PS Accessories, Sure-White PS Accessories
Chemical Formula: Mixture, Non-Reinforced EPDM Sheeting, Reinforced EPDM Sheeting, EPDM PS Flashing and Tapes, Reinforced Flashing and Tapes
General Use: Flashing membrane
Manufacturer: Mortar Net Solutions™, 326 Melton Road, Burns Harbor, IN 46304 D (800) 664-6638 F (219) 787-5088
Email: info@mortarnet.com www.mortarnet.com **24 Hour Emergency Phone Number: CHEMTREC (USA) 800-424-9300**

Section 2 – Composition / Information on Ingredients

Ingredient Name	CAS Number	% wt *or* % vol
Carbon Black	1333-86-4	<50%
Kaolin Clay	1332-58-7	<50%
EPDM Polymer	25038-36-2	>20%
Proprietary Additives		<35%

Hazardous Ingredients:
This product is considered to be a finished article as defined by 29 CFR 1910.1200 and is exempt from the requirements of the Hazard Communication standard. This product is non-hazardous as per 29 CFR 1910.1200.

Section 3 - Hazards Identification

☆☆☆☆☆ **Emergency Overview** ☆☆☆☆☆

Potential Health Effects

Primary Entry Routes: None
Target Organs: None known.
Acute Effects : Sensitive individuals may exhibit eye, nose, throat or dermal irritation with prolonged exposure to product.
Carcinogenicity: IARC, NTP, and OSHA do not list this product as a carcinogen.
Medical Conditions Aggravated by Long-Term Exposure: None known.
Chronic Effects: None known.

HMIS	
H	0
F	1
P	0
PPE†	
†Sec. 8	

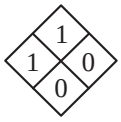
Section 4 - First Aid Measures

Inhalation: NA
Eye Contact: Flush with water. Get medical attention if reaction develops and irritation persists.
Skin Contact: Wash with soap and water. Get medical attention if reaction develops and irritation persists.
Ingestion: Get medical attention.
After first aid, get appropriate in-plant, paramedic, or community medical support.
Note to Physicians: NA
Special Precautions/Procedures: None known.

Section 5 - Fire-Fighting Measures

Flammability Classification: Not flammable.
Extinguishing Media: Standard fire extinguishers-water fog followed by coarse stream.
Unusual Fire or Explosion Hazards: Oil "bleeds" from material when burning
Hazardous Combustion Products: Toxic gases or vapors, such as carbon monoxide, carbon dioxide, or oxides of nitrogen may be released in a fire.
Fire-Fighting Instructions: Wear respirator; avoid breathing smoke.
Fire-Fighting Equipment: Because fire may produce toxic thermal decomposition products, wear a self-contained breathing apparatus (SCBA) with a full face piece operated in pressure-demand or positive-pressure mode.

NFPA



Section 6 - Accidental Release Measures

Spill /Leak Procedures: Handle as normal solid waste.
Small Spills: None required.
Large Spills: None required.
Containment: None required .
Cleanup: None required.
Regulatory Requirements: Follow applicable OSHA regulations (29 CFR 1910.120).

Section 7 - Handling and Storage

Handling Precautions: None required.
Storage Requirements: None required.
Regulatory Requirements: None required.

Section 8 - Exposure Controls / Personal Protection

Engineering Controls: None required.
Ventilation: Provide general or local exhaust ventilation systems to maintain airborne concentrations below OSHA PELs (Sec. 2). Local exhaust ventilation is preferred because it prevents contaminant dispersion into the work area by controlling it at its source.
Administrative Controls: None required.
Respiratory Protection: None required.
Protective Clothing/Equipment: Gloves are recommended to prevent skin contact.
Safety Stations: Make emergency eyewash stations, safety/quick-drench showers, and washing facilities available in work area.
Contaminated Equipment: Separate contaminated work clothes from street clothes. Launder before reuse. Remove this material from your shoes and clean personal protective equipment.
Comments: Never eat, drink, or smoke in work areas. Practice good personal hygiene after using this material, especially before eating, drinking, smoking, using the toilet, or applying cosmetics.

Section 9 - Physical and Chemical Properties

Physical State: Solid
Appearance and Odor: Rubber-like odor, black or white sheet
Odor Threshold: NA
Vapor Pressure: NA
Vapor Density (Air=1): NA
Formula Weight: NA
Density: NA
Specific Gravity (H_2O=1, at 4 °C): Varies
pH: N/A

Water Solubility: Insoluble
Boiling Point(°C): NA
Freezing/Melting Point (°C): NA
Viscosity: NA
Refractive Index: NA
Surface Tension: NA
% Volatile: NA
Evaporation Rate(nBuAc=1): NA

Section 10 - Stability and Reactivity

Stability: Stable.
Polymerization: Will not occur.
Chemical Incompatibilities: None.
Conditions to Avoid: Open flames.
Hazardous Decomposition Products: Toxic gases or vapors, such as carbon monoxide, carbon dioxide, or oxides of nitrogen may be released in a fire.

Section 11- Toxicological Information

Toxicity Data:

Eye Effects: This product has not been tested. No data available.

Skin Effects: No data available.

Acute Inhalation Effects: No data available.
Acute Oral Effects: No data available.
Chronic Effects: No data available.
Carcinogenicity: No data available.
Mutagenicity: No data available.
Teratogenicity: No data available.

Section 12 - Ecological Information

Ecotoxicity: This product has not been tested. No data available.
Environmental Fate: No data available.
Environmental Degradation: No data available.
Soil Absorption/Mobility: No data available.

Section 13 - Disposal Considerations

Disposal: Dispose of in accordance with all local, state, and federal regulations.
Disposal Regulatory Requirements: NA
Container Cleaning and Disposal: NA

Section 14 - Transport Information

DOT Transportation Data (49 CFR 172.101):

Not a DOT regulated material.
(United States)

Section 15 - Regulatory Information

EPA Regulations:
RCRA Hazardous Waste Number: Not listed (40 CFR 261.33)
CERCLA Hazardous Substance (40 CFR 302.4) listed/unlisted specific per RCRA, Sec. 3001; CWA, Sec. 311 (b)(4); CWA, Sec. 307(a), CAA, Sec. 112
SARA 311/312 Codes:
SARA Toxic Chemical (40 CFR 372.65): Not listed
SARA EHS (Extremely Hazardous Substance) (40 CFR 355): Not listed, Threshold Planning Quantity (TPQ)
OSHA Regulations:
Air Contaminant (29 CFR 1910.1000, Table Z-1, Z-1-A): Not listed
State Regulations:
This product is considered to be a finished article as defined by 29 CFR 1910.1200 and is exempt from the requirements of the Hazard Communication standard. This product is non-hazardous as per 29 CFR 1910.1200.

Section 16 - Other Information

Prepared By: Research & Development
Revision Notes: New format

Additional Hazard Rating Systems:

Disclaimer: The information contained in this document is based upon data that was supplied to Mortar Net Solutions™ by other companies and organizations. No warranty of merchantability or fitness for a particular purpose is expressed or implied regarding the accuracy or completeness of the data and/or information in this material safety data sheet.