Product Submittal Sheet

TotalFlash® 50 Ft. Flashing Rolls - Membrane Materials

Description

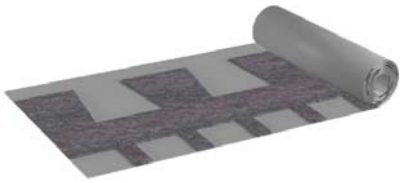
TotalFlash® 50 ft. Flashing Rolls feature an integrated 90% open-mesh drainage mat with weep tabs factory-bonded to the material, eliminating the need for separate mortar collection devices and weep vents. TotalFlash® 50 ft. Flashing Roll membranes are available in 4 materials: 45-mil Ethylene Propylene 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: _____

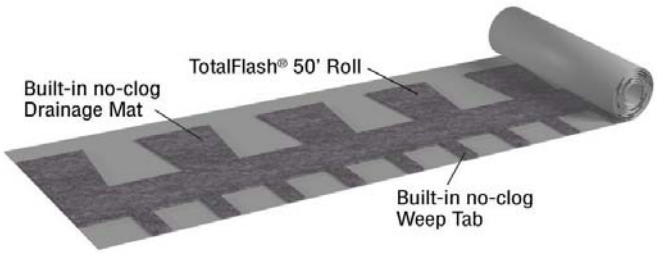
Comments: _____

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

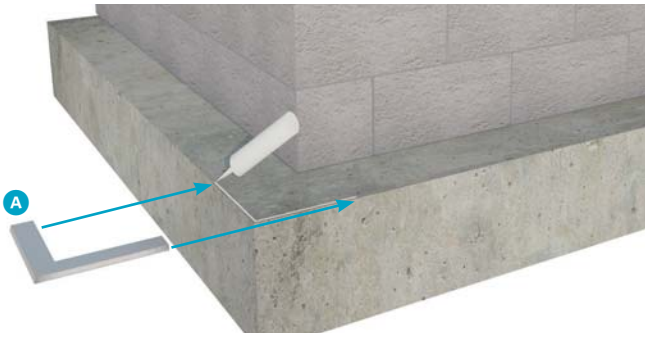
TotalFlash®

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

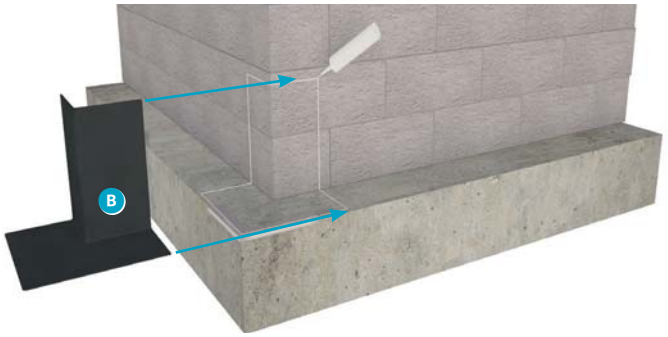
1 STEP ONE

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.



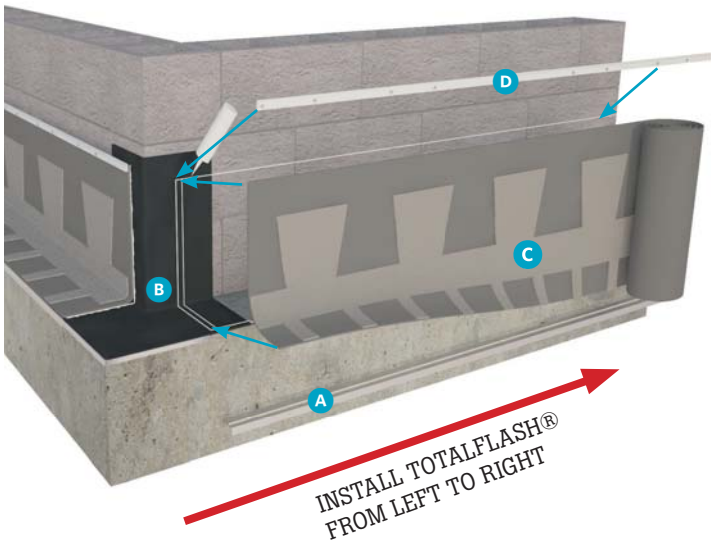
3 STEP THREE

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.

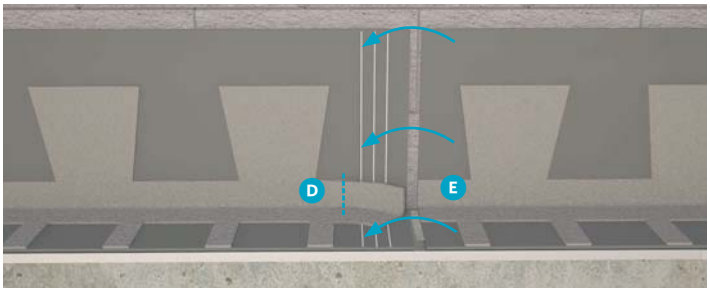
Place the TotalFlash Roll (C) in place and attach Termination Bar (D) to the flashing. Apply a bead of sealant on top side of Termination Bar to allow water to flow over termination bar to the flashing. ***NOTE:*** *When using* ***rubberized asphalt*** *it is recommended that the edge of the membrane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

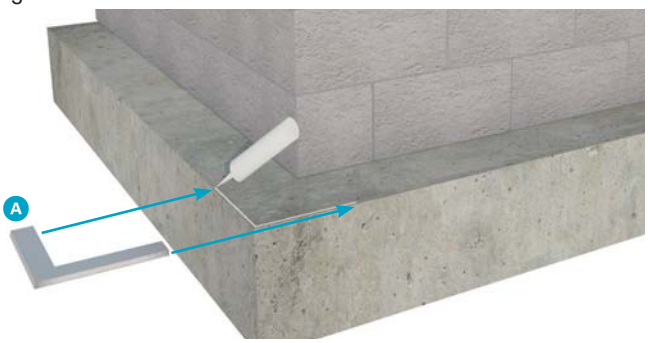
Install remaining rigid board insulation (if required) over TotalFlash. Lay a mortar bed directly on the TotalFlash weep tabs and install the brick veneer. For proper drainage, ensure the tips of the weep tabs are exposed when tooling the first mortar joint.

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

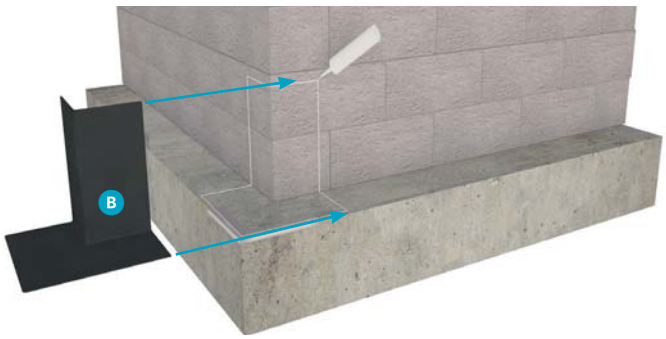
1 STEP ONE

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.



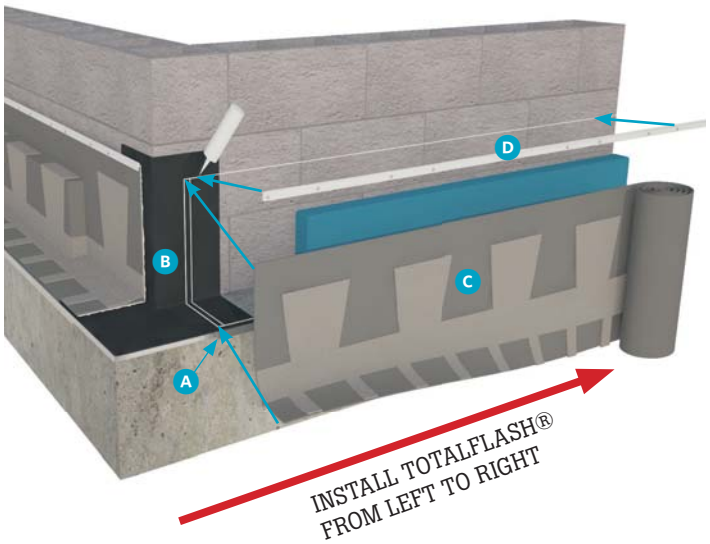
3 STEP THREE

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.

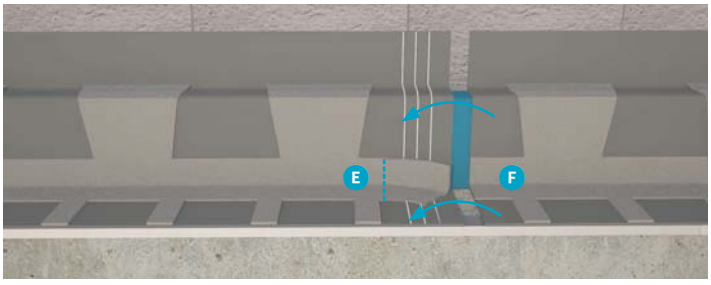
Place the TotalFlash Roll (C) in place and attach Termination Bar (D) to the flashing. Apply a bead of sealant on top side of Termination Bar to allow water to flow over Termination Bar to the flashing.
NOTE: *When using **rubberized asphalt** it is recommended that the edge of the membrane be kept away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

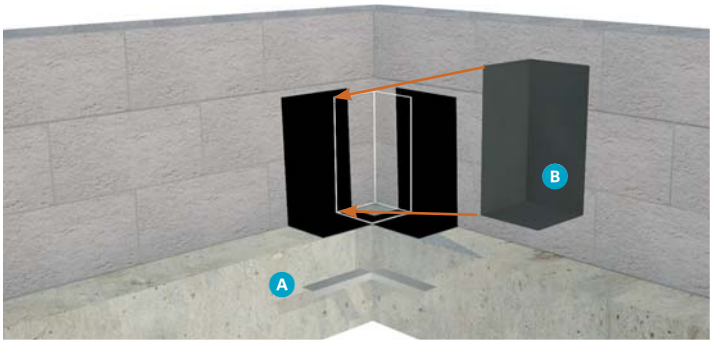
TotalFlash®

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

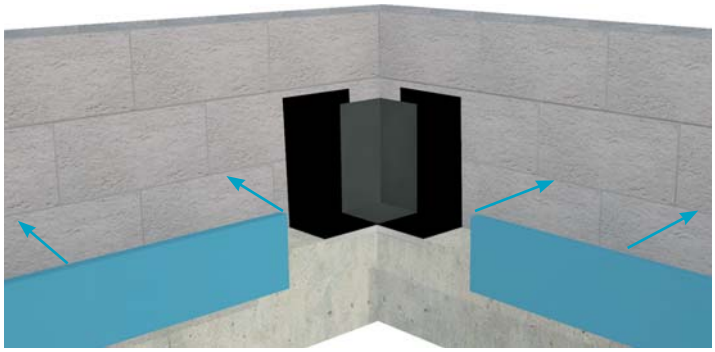
1 STEP ONE

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.



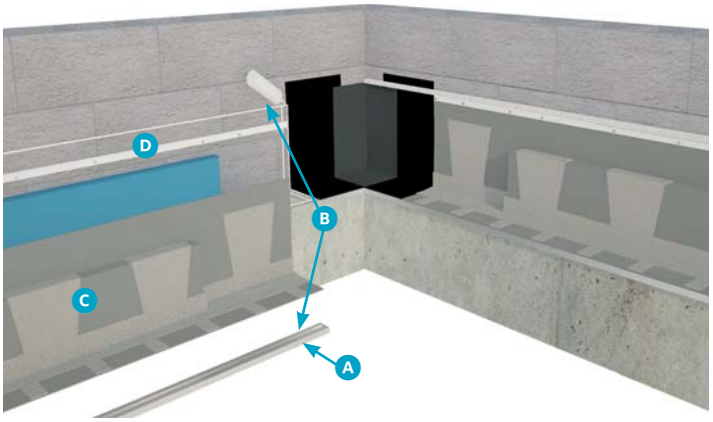
3 STEP THREE

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.

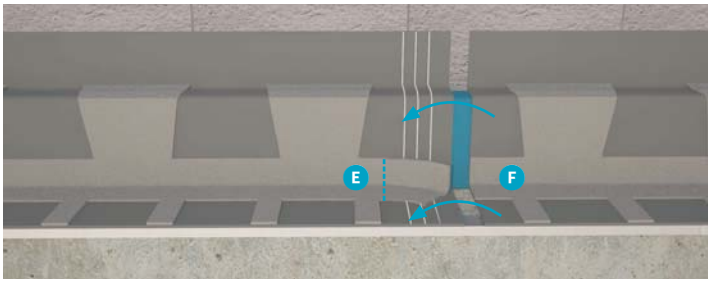
Place the TotalFlash® Roll C in place and attach Termination Bar D to the flashing. Apply a bead of sealant on top side of Termination Bar to allow water to flow over Termination Bar to the flashing.

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

Thermoplastic Polyolefin

Manufacturer:
Mortar Net Solutions™
326 Melton Rd., Burns Harbor, IN 46304

www.mortarnet.com
Emergency Telephone Number: 1-800-664-6638
Date Prepared: 6/21/2014

Section II,A—Hazardous Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity, Common Name(s))	OSHA PEL	ACGIH TLV	Other Limits Recommended	% (optional)
The rating of this product is Non-hazardous. Therefore it is not subject to hazardous labeling of mandatory retention of Material Safety Data Sheets.				

Section II,B—Ingredients/identification Information

CAS No.	Material	Range
9010-79-1	**Resin**	**0-100**
1333-86-4	**Carbon Black**	**0-5**

- CONFIDENTIAL -

Section III—Physical/Chemical Characteristics

Boiling Point	Does Not Apply	Specific Gravity (H_20 = 1)	0.98
Vapor Pressure (mm Hg)	Does Not Apply	Melting Point	
Vapor Density (AIR = 1)	Does Not Apply	Evaporation Rate (Butyl Acetate = 1)	< 1

Solubility in Water

Insoluble

Appearance and Odor

Pellet form- essentially odorless

Section IV—Fire and Explosion Hazard Data

Flash Point (Method Used)	Flammable Limits	LEL	UEL
Not Available	Not Available		

Extinguishing Media

Carbon Dioxide, Water Fog, Foam

Special Fire Fighting Procedures

Use routine fire fighting procedures.

Unusual Fire and Explosion Hazards

Thermal oxidative decomposition may yield carbon monoxide, carbon dioxide and low molecular weight hydrocarbons

(Reproduce locally) OSHA 174

Sept. 1985

TotalFlash®

Material Safety Data Sheet

Thermoplastic Polyolefin

Section V—Reactivity Data

Stability				
	Unstable		Conditions to Avoid	Not Applicable
	Stable	X		

Incompatibility *(Materials to Avoid)*: Not Applicable

Hazardous Decomposition or Byproducts: Not Applicable

Hazardous Polymerization				
	May Occur		Conditions to Avoid	
	Will Not Occur	X		

Section VI—Health Hazard Data

Route(s) of Entry	Inhalation?	Skin?	Ingestion?
Low risk of entry in present form	Not Applicable	Not Applicable	Is not expected to occur. If swallowed, may physically irritate digestive system.

Health Hazards *(Acute and Chronic)*

Harmful effects have not been recorded over a period of many years.

Carcinogenicity	NTP?	IARC Monographs?	OSHA Regulated?
IARC, NTP, and OSHA do not list this product as a carcinogen.	Not Known	Not Known	No

Signs and Symptoms of Exposure: Not Applicable

Medical Conditions Generally Aggravated by Exposure: No known effects or other illnesses

Emergency and First Aid Procedures

Routine Symptomatic

Section VII—Precautions for Safe Handling and Use

Steps to Be Taken in Case Material Is Released or Spilled

Sweep / clean up and dispose of material in accordance with good housekeeping practices.

Waste Disposal Method

Incinerate or landfill in compliance with Local, State, and Federal regulation.

Precautions to Be Taken in Handling and Storing: Not Applicable

Other Precautions

None

Section VII—Control Measures

Respiratory Protection *(Specify Type)*

Respiratory protection is optional

Ventilation	Local Exhaust	Special
	Not Applicable	Not Applicable
	Mechanical *(General)*	Other
	Not Applicable	Not Applicable

Protective Gloves	Eye Protection
Optional	Optional

Other Protective Clothing or Equipment

Optional

Work/Hygienic Practices

Routine