MortarFlash™

DESCRIPTION

MortarFlash™ Non-Asphaltic Flashing is a 40-mil, polyethylene blend peel-and-stick flashing membrane with applications to:

Masonry | Concrete | Steel | Gypsum | Wood

- Tear resistant
- Will not drool when exposed to UV or heat
- Termination bar required to secure top of flashing to the substrate
- Can be used to create corners in the field (or purchase our preformed corner boots and end dams)

AVAILABLE FLASHING COMPONENTS

Recommended for use with MortarFlash Non-Asphaltic

MortarNet, WallDefender, OR HouseNet

- Mortar dropping collection device
- Available in multiple thicknesses

Termination Bars

- PVC – 1/8" x 1-1/4" x 5'
- T1 Stainless steel – 1/8" x 1" x 8'
- T2 Stainless steel w/ lip – 26-gauge x 1-1/2" x 8'
- T1 Aluminum – 1/8" x 1" x 8'
- T2 Aluminum w/ lip – 14-gauge x 1" x 8'

Drip Edge

- Stainless steel – 26-gauge Type 304
- Kynar-colored and Copper available upon request

SUBMITTAL SELECTIONS

Width (rolls are 75 ft. long)

☐ 9" ☐ 12" ☐ 16" ☐ 18" ☐ 20" ☐ 24" ☐ 36"
☐ Custom _____

AVAILABLE FLASHING COMPONENTS CON'T

Metal Drip Edge Corners

- Stainless Steel Pre-formed Outside 90°
- Kynar-colored and Copper available upon request

Inside/Outside Corners & End Dams

- Synthetic rubber (SR)
- TPO (Thermoplastic Polyolefin)
- Stainless Steel 26-gauge Type 304

Sealant

- BTL-1 Butyl Sealant – 10.3 oz tubes

Specification Title: _____
Project: _____ Date: _____
Firm: _____ Phone: _____
Approval: _____ Date: _____
General Contractor: _____
Bid Date: _____
Comments: _____

Mortar Net SOLUTIONS
KEENE INC

A 40-MIL, POLYETHYLENE BLEND
PEEL-AND-STICK FLASHING MEMBRANE
TECHNICAL DATA SHEET

MortarFlash™
Non-Asphaltic Flashing

DESCRIPTION

MortarFlash™ Non-Asphaltic Flashing is a 40-mil, polyethylene blend peel-and-stick flashing membrane with applications to:

Masonry | Concrete | Steel | Gypsum | Wood

- Tear resistant
- Will not drool when exposed to UV or heat
- Primer is not required; however, we recommend the use of a termination bar and a bead of sealant under the leading edge of the flashing
- When the use of prefabricated accessories is not feasible, MortarFlash Non-Asphaltic can be used to create inside and outside corners.

Sizes & Packaging					
Thickness	Roll Height	Roll Length	Rolls/ Box	SF/ Box	Boxes/ Pallet
0.040"	9"	75'	4	225	60
	12"		3	225	60
	16"		2	200	52
	18"		2	225	60
	20"		1	125	50
	24"		1	150	50
	36"		1	225	30

TECHNICAL DATA

UV Accelerated Weathering ASTM G154

- Mullen Burst ASTM D751 – 400 psi – 2760 kPa
- More than 90% strength retained after 2000 hours exposure

Heat Resistance

- Short Exposure – 194 F. (90 C)
- Continuous Exposure – 160 F. (71 C)
- Melting Point – 230 F (110 C)

Tensile Strength ASTM D751

- Machine Direction – 230 lbs. – 105 kg.
- Cross Direction – 210 lb. – 95 kg.
- Force Elongation 20%

AVAILABLE FLASHING COMPONENTS

Mortar Collection

- MortarNet, WallDefender, or HouseNet

Termination Bars

- PVC, T1 & T2 Stainless Steel, T1 & T2 ALuminum

Drip Edge

- Stainless Steel, Kynar-colored, Copper

Inside/Outside Corners & End Dams

- Synthetic rubber OR Thermoplastic Polyolefin
- Stainless Steel

Metal Drip Edge Corners

- Stainless Steel Pre-formed Outside 90°

Sealant

- BTL-1 Butyl

A 40-MIL, POLYETHYLENE BLEND PEEL-AND-STICK FLASHING MEMBRANE INSTALLATION INSTRUCTIONS

MortarFlash™

1. **90-Degree Metal Corner Drip Edge:** Starting at an outside corner and working from left to right, apply a bead of BTL-1 Butyl Sealant to the underside of our preformed 90-degree metal corner drip edge and install flush on the corner.
2. **CompleteFlash Corners & End Dams:** Next, install one of our preformed 14" tall outside corner boots. Dry fit the outside corner boot on top of the metal corner drip edge and trim rubber corner so it's held back approximately ½" from the end of the drip edge corner. Apply sealant around perimeter of the backside of the boot, so as you set it in place on top of the metal drip edge corner, you'll be able to push into place and see the sealant ooze out around the edges.
   - Note 1 – Our Synthetic Rubber OR Thermoplastic Polyolefin corners and end dams are easily trimmed in the field
   - Note 2 – 26-gauge Stainless Steel corners are also available. "Leggings" will need to be used to extend corner flashing above where the top of the flashing will terminate.
3. **Drip Edge:** Apply a bead of sealant under the drip edge and install on the brick shelf so the left side of the drip edge aligns with the already installed metal corner drip edge.
4. **40-Mil Non-Asphaltic Flashing:** Install flashing membrane at desired location by pulling the release paper on the backside of the membrane and installing per standard peel n' stick methods. Flashing membrane should be held back from the edge of the drip edge approximately ½". Flashing should extend up the wall to terminate above 10" tall mortar collection devices which will be installed later.
   - Note – It is recommended the substrate is clean of dust and debris to maximize the tackiness of the membrane.
5. **Termination Bar:** Install termination bar at the top of the flashing membrane to mechanically fasten the membrane to the substrate. We recommend a bead of sealant behind the termination bar to create a "gasket". Finish the termination bar with a bead of sealant across the top of the termination bar to create a bridge for moisture to flow over the top and onto the flashing membrane.

PART 1: GENERAL

1.1 Summary

A. Section Includes:

- MortarFlash 40-Mil Non-Asphaltic flashing membrane as part of masonry wall systems to prevent water infiltration.

1.2 References

A. Comply with the following standards where applicable:

1. UV Accelerated Weathering ASTM G154
    1. Mullen Burst ASTM D751 – 400 psi – 2760 kPa
    2. More than 90% strength retained after 2000 hours exposure
2. Heat Resistance
    1. Short Exposure – 194°F. (90°C)
    2. Continuous Exposure – 160°F. (71°C)
    3. Melting Point – 230°F (110°C)
3. Tensile Strength ASTM D751
    1. Machine Direction – 230 lbs. – 105 kg.
    2. Cross Direction – 210 lb. – 95 kg.
    3. Force Elongation 20%

Sizes and Packaging

THICKNESS	ROLL HEIGHT	ROLL LENGTH	ROLLS/PALLET	SF/BOX	SF/PALLET
0.040"	9"	75'	120	225	6,750
	12"		90	225	6,750
	16"		52	200	5,200
	18"		60	225	6,750
	20"		50	125	6,250
	24"		50	150	7,500
	36"		30	225	6,750

1.3 Submittals
A. Submit the following for approval:

1. Product data, including performance characteristics, physical properties, and installation instructions.
2. Samples of MortarFlash 40-Mil Non-Asphaltic membrane and accessories.
3. Certification from the manufacturer indicating compliance with specifications.

1.4 Delivery, Storage, and Handling
A. Deliver materials in manufacturer's original, unopened containers with labels intact.
B. Store materials in a dry location at temperatures between 40°F and 100°F, protected from UV exposure and physical damage.

PART 2: PRODUCTS

2.1 Manufacturer
A. Mortar Net Solutions

1. Product Name: MortarFlash 40-Mil Non-Asphaltic Flashing Membrane.

2.2 Materials
A. Flashing Membrane:

1. Composition: MortarFlash 40-Mil Non-Asphaltic Flashing Membrane
2. Thickness: 40 mils.
3. Performance Characteristics:
   a. Tensile strength: Minimum 1000 psi (ASTM D412).
   b. Adhesion to substrate: Minimum 2 lbs/inch width (ASTM D903).
   c. Puncture resistance: Minimum 300 psi.
4. Compatible with all common masonry and concrete wall systems.
5. Free of asphalt content to ensure compatibility with sealants and other wall assembly components.

2.3 Accessories
A. Termination Bars and Fasteners: Manufacturer-approved materials for secure attachment.
B. Adhesive/Primer: As recommended by Mortar Net Solutions for substrate preparation.

PART 3: EXECUTION

3.1 Examination
A. Verify substrate conditions are clean, dry, and free of contaminants.
B. Ensure surfaces are smooth and properly prepared according to manufacturer's recommendations.

3.2 Installation
A. Install MortarFlash 40-Mil Non-Asphaltic membrane per manufacturer's instructions and approved submittals.
B. Overlap flashing sections a minimum of 2 inches, ensuring watertight joints.
C. Secure flashing with termination bars where required, and seal edges using compatible sealant or adhesive.

3.3 Protection
A. Protect installed flashing from damage during construction activities by others.
B. Inspect installed flashing prior to concealment and repair any damage as per manufacturer's instructions.

3.4 Field Quality Control
A. Verify proper adhesion and alignment of flashing.
B. Perform inspections to ensure no voids, wrinkles, or gaps are present.

This specification provides clear guidance for incorporating MortarFlash 40-Mil Non-asphaltic into Division 4 masonry projects, ensuring effective water management and long-term performance.

A 40-MIL, POLYETHYLENE BLEND PEEL-AND-STICK FLASHING MEMBRANE WARRANTY

MortarFlash™

Seller warrants for 10 years from date of purchase that products shall be free from defects in material and workmanship at time of delivery, and conform to specifications for the products set forth at the time of order acceptance. Seller's liability for breach of warranty for products delivered hereunder that are proven by Buyer to be defective or proven by Buyer to be at variance with applicable specifications shall be limited, at Seller's option, to 1) replacing or repairing such materials, or 2) refunding the sales price received by Seller for such materials. In no event shall Seller be liable for 1) materials damaged in shipment or otherwise without fault of Seller, 2) defects in products due to negligence (other than that of Seller), accident, abuse, improper installation, care or storage, 3) damage to products which have been tampered with or altered in any way other than by Seller, 4) expenses incurred by Buyer in attempting to correct any defects in products prior to or after installation. This warranty is in lieu of any and all other warranties, express or implied, arising by law or custom, including but not limited to, the implied warranty of merchantability and the implied warranty of fitness for a particular purpose.