

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.