**SECTION 04 22 00**

 **SELF ADHERING RUBBERIZED ASPHALT SHEET FLASHING**

**PART 1 ‑ GENERAL**

1.01 SUMMARY

A. Laminated copper fabric flashing, non-asphaltic.

EDIT RELATED SECTIONS TO INCLUDE ONLY SECTIONS IN PROJECT MANUAL.

B. Related sections:

1. 04 05 23 Masonry Accessories.

2. 04 21 13 Brick Masonry

3. 04 22 00 Concrete Unit Masonry

4. 04 22 23 Architectural Concrete Unit Masonry

5. 04 42 00 Exterior Stone Cladding.

6. 04 72 00 Cast Stone Masonry.

7. 05 40 00 Cold Formed Metal Framing.

8. 06 10 00 Rough Carpentry.

9. 07 11 10 Dampproofing.

10. 07 60 00 Flashing and Sheet Metal.

11. 07 65 00 Flexible Flashing.

1.02 REFERENCES

A. Standards of the following as referenced:

1. ASTM

2. Brick Industry Association (BIA)

3. Recycled content & Recyclability

B. Industry standards:

1. BIA *Technical Notes on Brick Construction No. 7, Water Penetration Resistance- Design and Detailing*, August 2005.

2. BIA *Technical Notes on Brick Construction No. 28B, Brick Veneer/Steel Stud Walls*, August 2005.

1.03 DEFINITIONS

A. Terms:

1. Cavity wall flashing: Same as flexible flashing.

2. Foundation sill flashing: Same as flexible flashing.

3. Flexible flashing: Water-proof material typically used in cavity wall construction to contain and assist in the proper water drainage that may penetrate wall system veneer. Other materials may be required to constitute the system.

4. Head and sill flashing: Same as flexible flashing.

5. Through-wall flashing:

a. Generally considered the same as flexible flashing.

b. Rare definition referred to full width cap flashing under copings or wall caps.

1.04 SUBMITTALS

A. Product data: Indicate material type, composition, thickness, and installation procedures.

B. Samples: 3" by 5" flashing material.

1.05 QUALITY ASSURANCE

A. Qualifications:

1. Manufacturer: Provide flashing materials by single manufacturer with not less than twenty five years of experience in manufacturing flexible flashing products.

2. Perform work in accordance with manufacturer’s written instructions and maintain a copy of the manufacturer’s written instructions on site.

**SPECIFIER’S NOTE**: All manufacturers of air barrier, insulation and flashing products should provide you MUTUAL letters of compatibility for these products in combination with each other.

1.06 WARRANTY

A. Provide manufacturer’s standard 5-year material warranty.

**PART 2 ‑ PRODUCTS**

2.01 MANUFACTURED UNITS

A. Flexible through-wall flashing self-adhering membrane:

1. Products of manufacturers listed below meeting indicated standards and specified manufacturer's product data characteristics, except as modified below, are acceptable for use, subject to compliance with specified requirements.

1. Product standard of quality:
	1. York Manufacturing, Inc.; York Seal

2. Characteristics:

a. Type: Rubberized asphalt core with cross laminated poly facer.

b. Thickness: 40 mils

1. Size: Manufacturer's standard width rolls. ACCESSORIES:
	* 1. Mastic/sealant: Product standard of quality is
2. York Manufacturing, Inc.; UniverSeal US100: Type: One part 100% solids, solvent-free formulated silyl-terminated polyether (STPE), ASTM C920-11, Type S, Grade NS, Class 50.
	* + - 1. York Cop-R-Tite Mastic. Type: asphaltic flashing mastic
		1. Primer or contact adhesive:
			1. 3M Super 77 spray adhesive. Type contact adhesive
			2. Primer: either solvent based or water based industry standard primers.
		2. Outside corner and inside corner material; manufacturer’s standard available units using:
			1. Preformed stainless steel: 26 gauge stainless steel.
		3. End dam: Product may be folded in line with the flashing material or utilize preformed end dams by manufacturer using:
			1. Preformed stainless steel: 26 gauge stainless steel
		4. Termination bar: Product standard of quality is York T-96 termination bar. Manufacturer's standard 1" composite material bar or a 1” 26 gauge stainless steel termination bar with sealant lip.
		5. Weep vent protection: Product standard of quality is York’s Weep Armor. Geotextile drainage fabric at least 12” in height.
		6. Repair and other materials/accessories: Manufacturer’s standard.
		7. Fasteners: Domestic manufactured fastener types and sizes recommended by flashing manufacturer for intended use.

**PART 3 ‑ EXECUTION**

3.01 INSTALLATION

A. General:

1. Install where indicated, specified, or required in accord with flashing manufacturer's written instructions and as follows.

2. Extend flashing 6" minimum beyond opening. Use pre-manufactured units made of 26 gauge stainless steel.

3. Flashing width: Width required starting one inch back of the outside face of exterior wythe on a stainless steel drip edge, extending through cavity, rising height required to extend above lintel steel at least 2".

4. Splice end joints by overlapping them 2” and seal with a compatible sealant.

5. Masonry back up:

a. Surface apply after dampproofing installation specified in Dampproofing Section in accord with manufacturer’s installation instructions.

b. Fasten the top of the flashings to the back up wall with a non-corrosive termination bar and seal the top edge with a compatible sealant..

6. Concrete back up:

a. Surface apply after dampproofing installation specified in Dampproofing Section in accord with manufacturer’s installation instructions.

b. Fasten the top of the flashings to the back up wall with a non-corrosive termination bar and seal the top edge with a compatible sealant.

7. Stud back up with sheathing:

a. Fasten the top of the flashings to the back up wall with a non-corrosive termination bar and seal the top edge with a compatible sealant.

8. Leave ready for certified compatible building felt or air barrier installation lapping flashing top installed in another Section.

 9. Use manufacturers preformed end dams.

10. Inside and outside corners: Make in industry accepted manner using corner and splice material or purchase manufactured corners from manufacturer.

11. Cover flashing within a few days of installation to protect it from damage from the different trades, the environment and falling debris. If flashing is left unprotected and it is punctured, torn, or has loose scrim you should contact the manufacturer for repair instructions.

3.02 SCHEDULES

A. Locations:

1. Exterior door heads.

2. Window heads and sills.

3. Storefront heads.

4. Horizontal control joints.

5. Changes in veneer materials, vertically.

6. Other wall openings.

7. Other locations indicated.

 **END OF SECTION 04 22 00**