MASTER SPECIFICATION 04 22 00

 Flexible Flashing

**SECTION 04 22 00**

**FLEXIBLE FLASHING COPPER**

**PART 1 - GENERAL**

* 1. SUMMARY
1. Laminated copper flashing which is coated with 40 mils rubberized asphalt

EDIT RELATED SECTIONS TO INCLUDE ONLY SECTIONS IN PROJECT MANUAL

1. Related sections:
2. 04 05 23 Masonry Accessories
3. 04 21 13 Brick Masonry
4. 04 22 00 Concrete Unit Masonry
5. 04 04 23 Architectural Concrete Unit Masonry
6. 04 42 00 Exterior Stone Cladding
7. 04 72 00 Cast Stone Masonry
8. 05 40 00 Cold Formed Metal Framing
9. 01 10 00 Rough Carpentry
10. 07 11 10 Dampproofing
11. 07 60 00 Flashing and Sheet Metal
12. 07 65 00 Flexible Flashing
	1. REFERENCES
13. Standards of the following as referenced:
14. ASTM
15. Brick industry Association (BIA)
16. Recycled content & Recyclability
17. Industry standards:
18. BIA technical Notes on Brick Construction No. 7, Water Penetration Resistance- Design and detailing, August 2005
19. 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-proofing material typically used in a cavity wall construction to assist in the

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 proper drainage of water that may penetrate a wall system veneer. Note that other materials may be

 required to constitute a system.

4. Head and sill flashing: same as flexible flashing

5. Through-wall flashing: typically considered the same as flexible flashing but can atypically referred

 to a full width cap flashing under wall caps or coping

1.04 SUBMITTALS

1. Product Data: Indicate material type, composition, thickness and installation procedures
2. Samples: 3” x 3” flashing material
3. (SDS) Safety Data Sheets
4. Product Quality and Environmental submittals:
5. Indicate that material supplied are asbestos free
6. Indicate re-cycled content: a minimum of 55% based on both Post- Industrial and Post- Consumer Recycled Content
7. Critical Performance Qualities

1.Copper Tensile Strength 31,500 psi

2. Fire Rating: flame spread – Rated Class B. ASTM 84

3. Certify that products contain no asbestos or silica

4. Certify the use of domestic copper

5. Nail Seal-ability- meets AMMA

1.05 QUALITY ASSURANCE

A. Qualification:

1. Manufacturer: Flashing materials are to be provided by a single manufacturer with no less

 than 25 years of experience in manufacturing flexible flashing products

1.06 WARRANTY

A. Limited warranty

1. Manufacturer: warrant flexible flashing for life of the wall

2. Warranty begins at date of completion

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**PART 2 – PRODUCTS**

2.01 MANUFACTURED UNITS

1. Flexible flashing
2. Products of manufacturers listed below meeting indicated standards and manufacturer’s product data, except as modified below, are acceptable for use, subject to compliance within specified requirements.
3. Product standard of quality:
4. Clark Hammerbeam Corporation; Copper Aqua Flash
5. York Manufacturing, Inc.; Multi-Flash- 500, 7 oz.
6. Other products which meet the criteria in section 1.04 and 1.06
7. Characteristics:
8. Copper laminated on one side with a clear polyester film and the other side coated with a rubberized asphaltic adhesive with a silicone coated release liner
9. Copper core meets: ASTM B370 CDA Alloy 110
10. Film: Polyester film on one side
11. 40 mils rubberized asphalt
12. Total product thickness-50 mils
13. Sizes: Standard manufacturer’s width rolls

2.02 ACCESSORIES

A. Sealant/Mastic: Product standard of quality is Clark Hammerbeam Corporation; AQUA FLASH Mastic

 1. Characteristics: Type- rubberized asphalt, Class 50, ASTM 4586, Federal Specification SS-153

 ASTM D2822

B. Primer: Product standard of quality is Clark Hammerbeam Corporation; AQUA FLASH Primer

 1. Characteristics: Type-asphaltic based, Class 50, ASTM D41-85, SS-A-701B

**PART 3 – EXECUTION**

3.01 INSTALLATION

 A. General:

1. Install where specified or required in accordance with flashing manufacturer’s instructions and as the following indicates:

2. Extend flashing 6” minimum beyond the opening. Fold flashing ends at end of opening the openings or horizontal flashing terminations to form an end dam.

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3. Flashing width: Use required width starting ½ inch from outside face of the exterior wythe, extending through cavity, rising height required to extend above lintel steel at least 2 inches. Splice end joints by overlapping them at least 4 inches (6 inches max). Seal lap edge only with a compatible sealant.

4. Masonry back up:

a. Surface apply after damp-proofing installation specified in Damp-proofing Section in accordance with manufacturer’s installation instructions.

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

 5. Stud back-up with sheathing:

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

 6. Concrete backup:

a. Surface apply the flashing after the damp-proofing installation specified in the Damp-proofing Section in accordance with the manufacturer’s installation instructions. Note: Damp-proofing must be fully cured prior to flashing installation.

b. Fasten the top of the flashing to the back-up wall with a non-corrosive termination bar. Seal the horizontal top edge with a compatible sealant.

 7.Fold ends of flashing at the end of openings to form a dam. Seal with compatible sealant.

 8. Inside and outside corners: Following industry accepted practices using corner and splice material.

 9.Flashing should be covered within a few days of installation to protect from the different trades, falling

 debris or the environment. If flashing is damaged, contact manufacturer for specific repair instructions.

3.02 SCHEDULES

 A. Locations

 1. Window Heads and sills

 2. Exterior door heads

 3. Horizontal control joints

 4. Vertically- changes in veneer materials

 5. Storefront heads

 6. Other wall openings

 7. Other indicated locations

**END OF SECTION 04 22 00**