MASTER SPECIFICATION 07 65 00

 Flexible Flashing

**SECTION 07 65 00**

**FLEXIBLE FLASHING COATED METAL**

**PART 1 - GENERAL**

* 1. SUMMARY
1. Encapsulated metal flashing in poly film on both sides and reinforced with fiberglass scrim

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 Damp-proofing
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 6” 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 23% Post Industrial Recycled Content
7. Critical Performance Qualities

1. Tensile Strength MD 8990 psi ASTM D828

2. Moisture Vapor Transmission .0010 perms ASTM E 96

3. Certify that products contain no asbestos or silica

4. Certify the use of domestic metal

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

2. Product is tested to assure conformance to the physical properties listed

**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; Fiberweb 310
5. York Manufacturing, Inc.; Multi-Flash- 500.
6. Other products which meet the criteria in section 1.04
7. Characteristics:

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1. 1 mil metal encapsulated between two layers of reinforced with fiberglass scrim
2. Fiberglass scrim 20 x 10
3. Film: Polyester film
4. Total thickness 10 mils
5. Sizes: Manufacturer’s standard width rolls
6. 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: a. Type- rubberized asphalt, Class 50, ASTM 4586, Federal Specification SS-153

 ASTM D2822

 b. Clark Hammerbeam Quik Set Sealant – Type- solvent free silyl-terminated ,

 100% solids, ASTM D1475, Class 50

**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.

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.

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 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 07 65 00**