

FIBERWEB
CLARK/HAMMERBEAM CORPORATION
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SECTION 076513

FLEXIBLE COPPER AND METAL LAMINATED SHEET FLASHING

Clark/Hammerbeam Corporation is a manufacturer of various flexible flashings, both copper and other metals. All of the metal flashings, both copper and non-copper are impervious to moisture penetration, have high tensile strengths and are not affected by alkalis and acids found in concrete and mortar mixes. This guide can be used to specify the following metal flashings manufactured by Clark/Hammerbeam Corporation:

COPPER AQUA FLASH

FIBERWEB 310

FIBERWEB 300

Applicable product and requirement will need to be selected by specifier. A metal flashing specification from this guide may be inserted into SECTION 076000- FLASHING AND SHEET METAL, SECTION 04800- MASONRY ASSEMBLIES or 04090- MASONRY ACCESSORIES. Various paragraphs of this guide section will need to be inserted in their proper locations in PART 1, 2, or 3 of this guide.

PART 1. GENERAL

1.1. SUMMARY

A. This section includes the following:

1. SECTION 04800- MASONRY ASSEMBLIES: the installation of copper and other metal flashings as part of the construction of masonry walls

1.2 REFERENCES

- A.** ASTM D146- Sampling And Testing Bitumen Saturated Felts and Woven Fabrics
- B.** ASTM D2822- Asphalt Roof Cement
- C.** ASTM B370 – Copper Sheet And Strip For Building Construction
- D.** ASTM E154 – Water Vapor Retarders Used In Contact With Earth under Concrete Slabs, Or Walls, Or As Ground Cover
- E.** ASTM D903 – Peel Or Stripping Strength of Adhesive Bonds
- F.** ASTM E96 – Moisture Vapor Transmission

1.3 SUBMITTALS

A. Provide in accordance with Section 01330- Submittal Procedures

1. Product Data and Installation Instructions
2. (MSDS) Material Safety Data Sheets
3. 2 inch by 2 inch sample of metal flashing

1.4. PRODUCT HANDLING

Note: applicable only to copper flashing

- A.** Storage - Protect product from excessive heat or inclement weather
- B.** Temperatures are not to exceed 120 degrees Fahrenheit or go below 25 degrees Fahrenheit

PARTS 2. – PRODUCTS

2.1. ACCEPTABLE MANUFACTURERS

- A.** CLARK/HAMMERBEAM Corp., PO Box 381, Dedham, MA 02027; Tel/781-461-1946;
www.fiberwebflashing.com
- B.** Manufacturers of equivalent products submitted and approved in accordance with Section 01630-
Product Substitution Procedures

2.2 PRODUCTS

Note: to specify COPPER AQUA FLASH , a self adhering rubberized asphalt copper flashing, include the following:

- A.** Sheet Copper Flashing
1. A self adhering rubberized asphalt copper flashing with a siliconized release liner; COPPER AQUA FLASH as manufactured by FIBERWEB-Clark/Hammerbeam Corp.
 2. Composition: a 3 ounce copper sheet laminated with polyester film on one side and bonded With 40 mils of rubberized asphalt on the other with a siliconized release liner
 3. Total thickness: 50 mils

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4. Characteristics: self adhering, self sealing around punctures, high tensile strength, flexible
At low temperatures, resistant to alkalis and acids, high puncture and abrasion resistance

Note: COPPER AQUA FLASH is manufactured in 12, 16, 18, 24, 36 inch widths (select appropriate Width)

5. Roll width: 12, 16, 18, 24, 36 inches
6. Copper Sheet: complying with ASTM B370
7. Pliability: Pass ½ inch mandrel test at minus 30 degrees F in accordance with ASTM D146
8. Peel Adhesion- Dry- 10 pounds per inch minimum tested in accordance with ASTM D903

Note: to specify FIBERWEB 310, a lamination of 1 mil metal encapsulated in polyester film and reinforced with fiberglass scrim include the following:

B. Flexible Metal Flashing

1. A flexible metal flashing consisting of a metal core bonded on both sides with polyester film and reinforced with fiberglass scrim
2. Composition: 1 mil metal laminated between two layers of Mylar (polyester film) and bonded to a 20 x 10 fiberglass scrim reinforcement
3. Total thickness: 8 mils
4. Roll width: 12, 16, 18, 24, 36 inches **(select appropriate width)**
5. Pliability: Pass ½ inch mandrel test at -100 degrees F tested in accordance with ASTM D146
6. Tensile Strength: 8900 PSI (MD); 7800 PSI (CMD) tested in accordance with ASTM D828
7. Moisture Vapor Transmission: .0010 Perms tested in accordance with ASTM E96 Procedure E
8. Meets Navy Corps of Engineers : MIL-1-631-D; MIL-Y-1140H; MIL-P-14591C; HH-C-466b

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Note: to specify FIBERWEB 300, a lamination of .33 metal encapsulated in polyester film and reinforced with fiberglass scrim

C. Flexible Metal Flashing

1. A flexible metal flashing consisting of a metal core bonded on both sides with polyester film and reinforced with fiberglass scrim
2. Composition: .33 mils metal laminated between two layers of Mylar (polyester film) and bonded to a 20 x 10 fiberglass scrim
3. Total thickness : 7 mils
4. Roll width: 12, 16, 18, 24, 36 inches **(select appropriate width)**
5. Pliability: pass ½ inch mandrel test at -100 degrees F tested in accordance with ASTM D146
6. Meets Navy Corps Of Engineers: MIL-1-631-D; MIL-Y-1140H; MIL-P-14591C; HH-C-466b

PART 3 – EXECUTION

3.1 PREPARATION

Note: include for masonry construction

- A.** All masonry surfaces should be reasonably smooth, free from loose materials and debris and completely dry. There should be no slopes which would prevent free flow of water to exterior Surface or wall
- B.** Weep holes should be installed for proper drainage and appropriate mortar deflection products

3.2 INSTALLATION

- A.** All flashings are to be installed in accordance with approved shop drawings and details and in accordance with manufacturer's installation recommendations
- B.** Install flashings at all the following conditions: through-walls, foundation sills, window and door sills and heads, foundation base, parapets, spandrels, and other areas which are indicated on drawings

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- C.** For **copper flashing only**, trim edges or lay membrane ½ inch back from masonry surface
- D.** For metal flashing, trim flashing flush with masonry surface

END OF SECTION