MASTER SPECIFICATION 04 22 00

 Flexible Flashing

**SECTION 04 22 00**

**FLEXIBLE FLASHING SELF-ADHERING TYPE 304 STAINLESS STEEL**

**PART 1 - GENERAL**

1.01  **SUMMARY**

 A. Flexible Stainless Steel Self-Adhering Flashing

EDIT RELATED SECTIONS TO INCLUDE ONLY SECTIONS IN

 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 Damp-proofing
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 and Recyclability

 B. Industry standards:

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

 2. BIA Technical Notes on Brick Construction No. 7, Water Penetration-Resistance-Design and

 Detailing, August 2005

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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 a cavity wall construction to contain and assist in the proper water drainage that may penetrate a 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:
6. Generally considered the same as flexible flashing
7. Rare definition referred to full width cap flashing under wall copings or wall caps

1.04 **SUBMITTALS**

 A. Product Data: indicate material type, composition, thickness and installation procedures

 B. Samples: 6” x 6” Flashing material

 C. Product Quality & Environmental submittals:

 1. Certificates:

 a. Indicate materials supplied or installed are asbestos free

 b. Indicate recycled content: total recycled content and individual component recycled content

 2. Performance Attributes

 a. Puncture Resistance > 2500 PSI AVG. ASTM E154

 b. Tensile Strength 100.000 PSI ASTM D882

 c. Mold Resistance PASS ASTM 3273

 d. Certify the use of a domestic manufacturer of the stainless steel

 e. Certify that the products contain no asbestos or silica

1.**05 QUALITY ASSURANCE**

 A. Qualifications:

 1. Manufacturer: Provide flashing materials by a single manufacturer with not less than twenty-five

 years of experience in manufacturing flexible flashing products

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 2. Flashing materials must be able to withstand 300° F without changing the long- term performance of

 flashing

**SPECFIERS:** All manufacturers of insulation, air barriers and flashing should provide mutual letters of compatibility

**PART 2 - PRODUCTS**

2.01 MANUFACTURED UNITS

 A. Flexible Flashing:

 1. Products of manufacturers listed below meeting indicated standards and specified manufacturer’s

 product data characteristics, except as modified be below, are acceptable for use, subject to

 compliance with specified requirements.

1. Product standard of quality:
2. Clark Hammerbeam Corp.; BOND-N-FLASH, S.A.
3. York Mfg., Inc.; York 304 SS
4. Illinois Products, Inc.; IPCO Self-Adhesive Stainless Steel
5. TK Products, Inc.; TK Self-Adhering Stainless Steel TWF
6. STS Coatings, Inc.; Wall Guardian Self Adhering Stainless Steel Flashing
7. Other products which meet criteria in section 1.04 to 1.05

 2. Characteristics:

1. Type: 304 stainless steel core with one uncoated stainless steel side and the other side coated

 with a co-polymer PSA adhesive

1. Stainless steel : Type 304, ASTM A240. Sourced domestically per DFARS 252.225-7008 and/or

DFARS 252.225-7009

1. Adhesive: polymer-PSA
2. Size: Manufacturer’s standard width rolls

 B. Accessories:

 1. Sealant:

 a. Clark Hammerbeam Corporation; QUIK SET

 b. Clark Hammerbeam Corporation; BOND-N-FLASH

 c. York Manufacturing, Inc.; Universeal US-100

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 2. Corner and End Dams: form the stainless steel flashing in the field

 3. Mortar deflection: polyester strands that will not degrade and will keep weep vents from clogging

 with mortar

1. Clark Hammerbeam Corporation; Mortar Guard
2. Or an approved comparable product

 4. Termination Bar: Rigid PVC or stainless steel termination bar with sealant catch lip

**PART 3- EXECUTION**

3.01 INSTALLATION

 A. General:

1. Install where indicated, specified or required in accordance with flashing manufacturer’s written instructions as follows:
2. Extend flashing 6” minimum beyond opening. Fold the flashing ends at the end of the openings or horizontal flashing terminations to form end dams.
3. Flashing widths: Width required starting flush with outside face of the exterior wythe, extending through the wall cavity, rising height required to extend above the lintel steel at least 2 inches (2”).
4. Splice end joints by overlapping them a minimum of 2 inches (2”) and seal with a compatible sealant
5. Masonry back-up:
6. Surface apply after damp-proofing installation specified in Damp-proofing/Air Barrier

Section in accordance with manufacturer’s installation instructions.

1. Fasten to masonry back-up surface at the top by using a non-corrosive termination bar and fasten it to the backer wall at the top edge of the flashing and seal the top edge with a compatible sealant.
2. Concrete back-up:
3. Surface apply after the damp-proofing/air barrier installation specified in Damp-proofing Section in accordance with manufacturer’s installation instructions.
4. Fasten to concrete surface at the top by using a non-corrosive termination bar and fasten it to the backer wall at the top edge of the flashing and seal with a compatible sealant.
5. Stud back-up with sheathing:
6. Fasten to stud back-up at the top by using a non-corrosive termination bar and fasten it to the backer wall at the top edge of the flashing and seal the top edge with a compatible sealant.
7. Leave ready for certified compatible building felt or air barrier installation lapping flashing top installed in another Section.

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1. Fold the ends of flashing at the end of the opening to form a dam; seal with a sealant
2. Inside and outside corners: Make in industry accepted manner using corner and splice material
3. Use a stainless steel drip edge at any location where the underside of the flashing will be exposed and/or deemed necessary by the design professional
4. Cover the flashing within a few days of installation to protect the flashing from damage from the different trades, falling debris and the environment. If the flashing is left unprotected and it is punctured or torn, contact manufacturer for repair instructions

3.02 SCHEDULES

 A. Locations:

 1. Window heads and sills

 2. Exterior door heads

 3. Storefront heads

 4. Horizontal control joints

 5. Changes in veneer materials, vertically

 6. Other wall openings

 7. Other indicated locations

**END OF SECTION 04 22 00**