

## **SECTION 076526**

### **SELF ADHERING SHEET FLASHING**

This guide specification can be used to specify **AQUA FLASH 500**, a self adhering waterproofing membrane engineered to provide moisture protection in masonry cavity wall and frame construction. This product specification can be inserted in SECTION 04800- MASONRY ASSEMBLIES. This guide may be used either in conjunction with other guides or separately for SECTION 71300- SHEET WATERPROOFING , SECTION 076500 - FLEXIBLE FLASHINGS or (04090.4- SELF-ADHERING CAVITY WALL MEMBRANE).

### **PART 1 – GENERAL**

#### **1.1 SUMMARY**

- A.** Section includes: Self adhering waterproofing membrane and primer to provide moisture protection in masonry cavity wall construction and frame construction.

#### **1.2 REFERENCES**

- A.** ASTM E154 – Water Vapor Retarders Used In Contact With Earth Under Concrete Slabs, Or Walls, Or As Ground Cover
- B.** ASTM D146 – Sampling And Testing Bitumen Saturated Felts And Woven Fabrics
- C.** ASTM D2822 – Asphalt Roof Cement
- D.** ASTM D412 - Test Methods For Vulcanized Rubber And Thermoplastic Rubbers and Thermoplastic Elastomers – Tension
- E.** ASTM D903 – Peel Or Stripping Strength of Adhesive Bonds

#### **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 minimum membrane sample

## **1.4 PRODUCT HANDLING**

- A.** Storage- Protect product from inclement weather or excessive heat
- B.** Temperature not to exceed 120 degrees Fahrenheit or go below 25 degrees Fahrenheit
- C.** Avoid prolonged sunlight exposure

## **PARTS 2 – PRODUCTS**

### **2.1 ACCEPTABLE MANUFACTURERS**

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

### **2.2 PRODUCTS**

- A.** A self-adhering waterproofing membrane with a siliconized Kraft paper release liner; AQUA FLASH 500 as manufactured by FIBERWEB- CLARK/HAMMERBEAM Corp.
  - 1. Composition: rubberized asphalt bonded to a high density cross laminated polyethylene film
  - 2. Total thickness: 40 mils

**Note: AQUA FLASH 500 is manufactured in 12, 16, 18, 24, 36 inch widths**

- 3. Width; 12, 16, 18, 24, 36 inches (select appropriate width)
- 4. Pliability: Pass ½ inch mandrel test at minus 30 degrees F in accordance with ASTM D146
- 5. Peel Adhesion -Dry: 10 pounds per inch minimum tested in accordance with ASTM D903
- 6. Peel Adhesion- Wet: 5 pounds per in minimum tested in accordance with ASTM D903
- 7. Elongation: 350% tested in accordance with ASTM D412
- 8. Tensile strength: 1200 psi minimum tested in accordance with ASTM D412  
Die C modified 800 psi
- 9. Puncture Resistance: 90 pounds minimum tested in accordance with ASTM D1004

9. Tear Resistance: 16 pounds minimum tested in accordance with ASTM D 1004

- B.** Primer: To be used for substrate preparation as recommended by waterproofing membrane Manufacturer

### **PART 3 EXECUTION**

#### **3.3. INSPECTION**

- A.** Concrete substrate must be fully cured prior to membrane application
- B.** Surface and air temperature are to be above 25 degrees Fahrenheit
- C.** Substrate is to be reasonably smooth, free from any loose material , debris, oils and is to be completely dry

#### **3.4 PREPARATION**

- A.** Prepare substrate surface in accordance with manufacturers recommendations
- B.** Primer Application
  - 1. Either spray, roll or brush apply primer at a rate of 250-300 square feet per gallon
  - 2. At 75 degrees Fahrenheit, allow primer to dry 1 hour
  - 3. Re-prime prior to application of waterproofing membrane if either contaminated by dust or primer has exceeded the maximum 8 hour dry time

#### **3.5 MEMBRANE APPLICATION**

- A.** Cut membrane into 8-10 foot lengths
- B.** Remove release liner. Apply membrane starting from the lowest point and work upwards.
- C.** All laps are 2.5 inch minimum
- D.** Use a steel hand roller to secure membrane firmly in place eliminating wrinkles and air pockets
- E.** Trim edges or lay membrane ½ inch from face of masonry
- F.** Inside and outside corners must be covered with two layers of membrane and sealed with mastic (see details/drawings)

**END OF SECTION**