

## SECTION 07120

### FLUID APPLIED WATERPROOFING (ELASTOMERIC CRACKBRIDGING COATING FOR ABOVE GRADE WALLS) Updated – December 4, 2007

#### PART 1 GENERAL

##### 1.1 DESCRIPTION OF APPROVED SUBSTRATES

This specification is only intended for the application of FlexCoat elastomeric crack bridging coating to an approved masonry wall. Brick, Block, Split-Faced Block, and Concrete are all approved surfaces

Painted or treated surfaces must be approved by a Hydro-Stop LLC technical representative. Synthetic Stucco walls must have a recent moisture content report as well as approval by Hydro-Stop LLC

##### 1.2 SECTION INCLUDES

1. Fluid applied flexible acrylic waterproofing system over above grade masonry walls.

##### 1.3 SUBMITTALS

1. Shop Drawings: Indicate special joint or termination conditions and conditions of interface with other materials.
2. Product Data: Provide data for material description, physical properties, recommended storage conditions, shelf life, precautions, flexible flashings, joint cover sheet, and joint and crack sealant, with temperature range for application of waterproofing membrane.
3. Manufacturer's Installation Instructions: Indicate special procedures and perimeter conditions requiring special attention.

##### 1.4 QUALIFICATIONS

1. Applicator: Company specializing in performing the work of this section approved by manufacturer.

##### 1.5 DELIVERY, STORAGE, AND HANDLING

1. Deliver materials to site in manufacturer's unopened and undamaged containers bearing the following information:
  1. Name of manufacturer.
  2. Name of contents and products code.

3. Net volume of contents.
  4. Lot or batch number.
  5. VOC content.
  6. Storage temperature limits.
  7. Shelf life expiration date.
  8. Mixing instructions and proportions of contents.
  9. Safety information and instructions.
2. Store and protect materials from damage and weather in accordance with manufacturer's instructions.
  3. Store materials at temperatures between 50 and 90 degrees F (10 and 32 degrees C). Keep out of direct sunlight.

## 1.6 ENVIRONMENTAL REQUIREMENTS

1. Do not apply if ambient temperatures are expected to fall below 40 degrees F (5 degrees C) or if rain is expected before the application has time to cure.

## 1.7 WARRANTY

1. Provide five year manufacturer's warranty.

## **PART 2      PRODUCTS**

### 2.1 MANUFACTURER

- |                            |            |                    |
|----------------------------|------------|--------------------|
| 1. Hydro-Stop, LLC         | Toll Free: | (800) 739-5566     |
| 1465 Pipefitter Street     | Phone:     | (843) 745-9600     |
| North Charleston, SC 29405 | Fax:       | (843) 745-9602     |
|                            | Web:       | www.hydro-stop.com |

### 2.2 MEMBRANE COMPOUND MATERIAL

1. Waterproofing Material: FlexCoat water dispersed resin coating consisting of polymers especially formulated to provide crackbridging of the substrate; quick setting; 10 mil (0.24 mm) minimum cured total system thickness; comprised of three coats of Hydro-Stop FlexCoat decorative and protective coating. Color as selected from manufacturer's standard colors.

## 2.3 ACCESSORIES

1. Hydro-Fiber: Bulking material used in conjunction with Foundation Coat or BarrierGuard slurry (as specified by Hydro-Stop Technical Representative) to fill cracks, voids, or low depressions on various substrates.
2. StableRust Primer: water based surfactant-free primer used in direct metal applications to stabilize and protect metal surfaces.
3. The PremiumCoat System- Used around wall penetrations, expansion joints, and anywhere indicated by a Hydro-Stop LLC Technical Representative.

## **PART 3      EXECUTION**

### 3.1 EXAMINATION

1. Verify substrate surfaces are durable; free of frozen matter, dampness, loose particles, cracks, pits, projections, or foreign matter detrimental to adhesion or application of waterproofing system.
2. Verify that substrate surfaces are smooth, and not detrimental to full contact bond of waterproofing materials.

### 3.2 PREPARATION

1. Protect adjacent surfaces not designated to receive waterproofing.
2. Clean and prepare surfaces to receive waterproofing by removing all loose and flaking particles, grease and latencies by pressure-washing or other method approved by manufacturer.
3. Do not apply waterproofing to surfaces unacceptable to manufacturer.
4. Seal cracks and joints greater than 12 mils (0.3 mm) wide with sealant materials as recommended by manufacturer.
5. Repair damaged mortar with BarrierGuard slurry/Hydro-Fiber patching mortar in accordance with manufacturer's instructions.

### 3.3 APPLICATION

1. Check with your Hydro-Stop LLC Technical Representative to determine if a primer is required.

2. Spray, roll, or brush apply coating in accordance with manufacturer's instructions.
3. Thoroughly work coating materials into joints, crevices, and open spaces.
4. Apply a minimum of two coats of waterproofing material at a total rate of 180 sq. ft/gal (4.3 sq. m/L) to a minimum thickness of 5 mils (0.12 mm) per coat.
5. Apply waterproofing material free of runs, drops, ridges, waves, laps, brush marks, and variations in color.

**END OF SECTION**