

## SECTION 07120

### FLUID APPLIED WATERPROOFING (FOR BELOW GRADE AND SUBMERGED WALLS)

#### PART 1 GENERAL

##### 1.1 SECTION INCLUDES

1. Fluid applied flexible cementitious waterproofing system over below grade or submerged walls.

##### 1.2 RELATED SECTIONS

1. Section 03300 - Cast-In-Place Concrete: Concrete substrate.
2. Section 04300 - Unit Masonry System: Masonry substrate.
3. Section 07900 - Joint Sealers.

##### 1.3 SUBMITTALS

1. 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 damp proofing membrane.
2. 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. Storage temperature limits.
  6. Shelf life expiration date.
  7. Mixing instructions and proportions of contents.
  8. Safety information and instructions.
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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, Inc.        | Toll Free: | (800) 739-5566   |
| 1465 Pipefitter Street     | Phone:     | (843) 745-9600   |
| North Charleston, SC 29405 | Fax:       | (843) 745-9602   |
|                            | Web:       | <a href="http://www.hydro-stop.com">www.hydro-stop.com</a> |

### 2.2 MEMBRANE COMPOUND MATERIAL

1. Waterproofing Material: BarrierGuard acrylic two-stage fabric reinforced acrylic modified cementitious waterproofing applied in successive stages to form one continuous, seamless, watertight membrane comprised of an acrylic modified slurry containing Portland cement with water reducing agents and retarders.
2. Fabric: Hydro-Stop polyester, non-woven stitch-bonded, and heat-set fabric.

## 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 damp proofing system.
2. Verify that substrate surfaces are smooth, and not detrimental to full contact bond of damp proofing 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 laitence.
3. Do not apply waterproofing to surfaces unacceptable to manufacturer.

### 3.3 APPLICATION

1. Mix waterproofing slurry material in accordance with manufacturer's instructions.
2. Apply foundation coat of waterproofing slurry and embed fabric into still wet foundation coat followed by a saturation coat, and allow to dry. Total application rate for both foundation and saturation coats of waterproofing slurry is to be 25-sq. ft/gal (0.6-sq. m/L).
3. Overlap material a minimum of 4 inches (100 mm); extend material a minimum of 4 inches (100 mm) above grade.
4. Apply a final coat of waterproofing slurry at a coverage rate of 70 sq. ft / gal (1.7 sq. m/L) and allow to cure for at least 48 hours before backfilling.

### 3.4 CLEANING

1. Immediately clean adjacent work not scheduled to receive damp proofing in accordance with manufacturer's instructions.

**END OF SECTION**