

## **SECTION 07560**

### **FLUID APPLIED ROOFING (DECORATIVE DECK COATINGS)**

#### **PART 1     GENERAL**

##### **1.1 DESCRIPTION**

1. This work shall contain the application techniques and products used in conjunction with the Hydro-Stop PremiumCoat System to create a fluid applied decorative light traffic deck system.

##### **1.2 SUBSTRATE APPROVAL**

1. All Hydro-Stop warranted deck applications must be installed to an existing or recently completed "Premium Coat System". For substrate approval prior to job start up, please consult your local Hydro-Stop Technical Representative.

##### **1.3 RELATED WORK**

1. The contractor shall review all sections of these specifications as well as the specifications for the PremiumCoat System over the appropriate substrate to determine items of work that will interface with the application of this decking system. Coordination and execution of related sections shall be the responsibility of the contractor.

##### **1.4 SUBMITTALS**

1. Shop Drawings: Submit a scaled drawing showing the layout of joint reinforcing and all flashing details.
2. Product Data: Provide manufacturer's technical literature on products that make up the decking system. This shall include, but is not limited to, coatings, reinforcing fabrics, flashing materials, fasteners, etc..
3. Manufacturer's Installation Instructions: Submit all data sheets available from the manufacturer on the installation of the decking system applicable to the work.
4. Manufacturer's Certificate: Certify that Products meet or exceed specified requirements.

##### **1.5 QUALIFICATIONS**

1. **Applicator Qualifications:** The applicator of the decking material specified herein shall be an approved applicator (designated by Hydro-Stop). Proof of this qualification shall be provided in written form from the manufacturer of the decking system.

## 1.6 QUALITY CONTROL

1. **Codes and Standards:** The contractor shall make him/herself thoroughly familiar with all codes, regulations, and standards governing the specified work. Any contradiction between the manufacturer's requirements and these specifications shall be brought to the attention of the manufacturer and the specifier
2. **Deviations:** There shall not be any deviations from these specifications unless the deviation is submitted in writing to the specifier. The request for deviation must have a letter from the decking manufacturer's technical department approving the details of the deviation.
3. **An Approved Applicator** (as designated by Hydro-Stop) shall be on site during all applications of any Hydro-Stop products.
4. **Manufacturer's Technical Representative:** An employee of the material manufacturer shall be on site at least once every 7-calendar days during the work specified herein. Upon request the technical representative shall provide a written inspection report, during each site visit and submit the reports to the owner/owner's representative. The manufacturer's representative must approve the application process at specific stages before the contractor may continue.

## 1.7 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.

4. Support stored material containers on pallets and cover with tarpaulin tied to bottom of pallets.

## 1.8 ENVIRONMENTAL REQUIREMENTS

1. Do not apply if ambient temperatures are expected to fall below 40 degrees F (4.5 degrees C) or if rain is expected before the application has time to dry.

## 1.9 WARRANTY

1. Provide five-year manufacturer's Product Warranty or optional five-year manufacturer's Labor and Material warranty.

## **PART 2     PRODUCTS**

### 2.1 MANUFACTURER

- |                            |            |                    |
|----------------------------|------------|--------------------|
| 1. Hydro-Stop              | 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 ACCESSORIES

- 2.2.1 Hydro-Stop Modified Cement (White)
- 2.2.2 Traffic Topping: Hydro-Stop Traffic Coat acrylic based coating designed for light traffic areas.
- 2.2.3 Equipment Type, Size, and Calibration-
  - 2.2.3.1 AIR COMPRESSOR- The air compressor must be capable of delivering a minimum of 7 cfm.
  - 2.2.3.2 SPRAY TEXTURE GUN- The recommended Spray Hopper Gun should have a 2 gallon (7.57 liters) capacity with an angled hopper adapter. The recommended tip size is .315 inches (8 mm).
- 2.2.4 Clear Coating- **ACRYSHEEN** is a water-based epoxy, penetrating sealer designed to produce a clear, semi-gloss surface sheen. It is manufactured from non-yellowing, advanced acrylic resins to form a durable finish that provides long term water repellency, dirt and graffiti resistance, and weather protection.
- 2.2.5 Acrylic Binder- BarrierGuard® is designed for waterproofing all types of masonry surfaces such as foundation walls, concrete panels, retaining walls and

moisture-retaining structures such as gutters, cisterns, and concrete shrubbery boxes. Mixed with water and Portland cement, and fully reinforced with BarrierGuard® fabric, it forms a hard-wearing, flexible compound. It is also resistant to standing water and ideal for subterranean waterproofing.

## **PART 3      EXECUTION**

### **3.1 EXAMINATION**

1. Verify that the Hydro-Stop PremiumCoat System has been installed completely according to specification.
2. Verify substrate surfaces are durable, free of frozen matter, dampness, loose particles, cracks, pits, projections, or foreign matter detrimental to adhesion or application of decorative deck coatings system.
3. Verify that substrate surfaces are smooth and not detrimental to full contact bond of waterproofing materials.
4. Verify that substrate areas are adequately supported and firmly fastened in place.
5. Verify that deck has a minimum slope of .25 inch / foot (2.083cm/meter)
6. Verify that deck does not have ponding water areas.
7. Verify that all attached vertical walls are properly waterproofed.

### **3.2 PREPARATION**

1. Protect adjacent surfaces not designated to receive deck coatings.
2. Do not apply deck coatings to surfaces unacceptable to manufacturer.

### **3.3 APPLICATION**

Select the type of desired finish from the list below and proceed to the specified section.

- 3.3.1 Textured Deck Coating (Section 3.4)
- 3.3.2 Splatter Texture Finish (Section 3.5)

### **3.4 TEXTURED DECK COATING (SINGLE COLOR)**

- 3.4.1 Pattern Application – a pattern may be designed by applying, ½ inch (12.7 mm)  
or

1 inch (25.4 mm) reinforced masking or fiberglass tape to the dried PremiumCoat System.

3.4.2 Knock-Down or Texture Mixture –

3.4.2.1 Mix BarrierGuard and **cold** water on a 1 to 1 ratio. Per each 50 lb. bag of Modified White Cement, you will need approximately FIVE QUARTS of the Barrier Guard & Water mixture. Amount of liquid will vary (+/- 10%), depending on the applicator and weather conditions.

3.4.2.2 Dispense approximately 2 ½ quarts of the BarrierGuard/Water mixture into a clean 5 gallon pail, and slowly add ½ bag (25 lbs.) of Hydro-Stop Decorative Modified Cement utilizing a veritable speed drill with attached mixing paddle.

3.4.3 Knock-Down Texture Application – Use a texture spray gun (2 gal.) capacity. With one of the larger size orifice/tip. Varies depending on hopper type being used. Adjust the “material flow screw” to full flow position (back of slot). Connect spray gun to compressor using approximately 30 lbs of pressure **at the tank**. Adjust pressure with valve at gun to enough pressure to spray material at slowest rate possible. The flow/technique will vary with each person. Fill hopper **one half full** or less. Spray texture with small circular motion with wrist so not to spray in a straight line. Spray area NO LARGER than assistant can knock-down. DO NOT allow mixture to “over dry”. After approx. 10 minutes, using a “flexible” pool trowel, again with a circular motion, LIGHTLY knock-down the texture sprayed onto the deck. Once mixture has dried enough to walk on in SOCKS, pull up tape.

3.4.3.1 \***Two Color finish look** – After applying tape pattern, before spraying knock-down texture, apply with 4” roller a light amount of Acrysheen sealer to the tape pattern only. This will help seal the tape to reduce the “bleed under” that will occur when applying the different color Traffic Coat. Because of the textured surface the knock-down creates, the final color of Traffic Coat has to be applied with ample pressure on the roller to get material down into the surface. This will create “bleed under” on the grout lines, in most all cases. The applicator will then have to “touch up” the grout lines using a small paint brush with the grout line color.

3.4.4 Deck Preparation – Prior to Traffic Coat application, the deck surface MUST be swept with a “stiff” broom and then use leaf blower to remove all loose debris from surface.

- 3.4.5 Traffic Coat – Apply 2 coats of Traffic Coat at a combined total minimum rate of 65 sq. ft. per gal. (1.54 sq.m/liter). Coverage rates will vary according to deck texture. Allow to dry between coats.
- 3.4.6 Acrysheen Clear Finish – ALWAYS, apply this clear sealer to the Traffic Coat. Using a 9” roller, with ½ inch nap, apply two “thin” coats of sealer. This will improve the maintenance of the deck surface and ease in cleaning.

### 3.5 SPLATTER TEXTURE FINISH

- 3.5.1 Traffic Coat – After the Premium Coat System has been installed, apply 2 coats of Traffic Coat at a combined total minimum rate of 65 sq. ft. per gal. (1.54 sq m/liter). Recommended application: Apply Traffic Coat with a 9 inch roller, ½ inch nap. Coverage rates will vary according to texture. Allow to dry between coats.
- 3.5.2 Pattern Application – After the second coat of Traffic Coat has been allowed to **completely dry (24 hours)**, a pattern may be designed by applying ½ or 1 inch reinforced masking or fiberglass packing tape to the surface.
- 3.5.3 Traffic Coat “Splatter Texture” – This is a special texture mixture to be sprayed with the texture hopper used for the knock-down technique. Coverage will vary, depending on the amount of highlight customer chooses. ALWAYS stir splatter mixture before using.
- 3.5.4 Texture Application – Using same hopper as used for knock-down with different settings. First, set “material flow screw” to **least** amount of material to enter nozzle area. (full forward in slot). Set orifice dial/tip at smallest setting. Reduce pressure at the compressor tank to approx. 20 lbs of pressure. Set the air pressure valve on gun slightly higher than used for knock-down. ALWAYS, do a test spray on cardboard of some other surface before attempting to spray deck area. Careful not to over spray, spray small amount and if needed (customer preference) you can spray additional amounts of color. Spray with SHORT burst of trigger pull, for best results. Size of the splatter color should be “pea size”. Size will vary on orifice size (smallest) and amount of air pressure set at hopper. Avoid high pressure spraying, which will cause over spray. Allow splatter spray to dry, approximately 30 minutes before spraying a second color. Two or more colors are recommended. If spraying more than one color, ALWAYS spray the darker color first. ALWAYS, mask off areas not to receive spray.
- 3.5.5 Tape Removal – Carefully remove tape from deck. (allow min. 30 minutes dry time)

- 3.5.6 Acrysheen Clear Finish - ALWAYS, apply this clear sealer to the Traffic Coat finish. Using a 9" roller with ½ inch nap, apply two "thin" coats of sealer. This will improve the maintenance of the deck surface and ease in cleaning.

### 3.6 PROTECTION OF FINISHED WORK

- 3.6.1. Monitor finished system for 7 day, sweeping off birdbaths to allow for full cure.

### 3.7 CLEANING

1. Clean unscheduled surfaces receiving waterproofing in accordance with manufacturer's instructions.

**END OF SECTION**