

# 1.3.2.5 Decks with Colored, Textured, and Hardwearing Finish

## Architectural Specifications

### SECTION 07120

#### FLUID APPLIED WATERPROOFING

##### (OVER PLYWOOD OR CONCRETE DECKING WITH COLORED TEXTURED AND HARDWEARING FINISH)

#### PART 1 GENERAL

##### 1.1 SECTION INCLUDES

- A. Fluid applied flexible acrylic waterproofing system over plywood or concrete decks.
- B. Cant strips.
- C. Abrasion resistant protective layer.

##### 1.2 RELATED SECTIONS

- A. Section 06100 - Rough Carpentry: Plywood decking.
- B. Section 07620 - Sheet Metal Flashing and Trim: Associated flashings.

##### 1.3 REFERENCES

- A. ASTM D2370 - Test Method for Tensile Properties of Plastics.
- B. ASTM D1204 - Test Method for Linear Dimensional changes of Non-rigid Thermoplastic Sheeting or Film at Elevated Temperature.
- C. ASTM G26 - Practice for Operating Light Exposure Apparatus (Xenon Arc Type) With and Without Water for Exposure of Non Metallic Surfaces.
- D. ASTM E96 - Water Vapor Transmission of Materials.
- E. FM 4470 - Wind uplift Resistance
- F. ASTM E 108 - Test Methods for Fire Test of Roof Coverings.

##### 1.4 SUBMITTALS

- A. Shop Drawings:
  - 1. Indicate special joint or termination conditions and conditions of interface with other materials.
- B. Product Data:
  - 1. Provide data for rigid insulation material.
  - 2. Provide data for material description, physical properties, recommended storage conditions, shelf life, precautions, flexible flashings, and joint and crack sealants, with temperature range for application of waterproofing membrane.
  - 3. Manufacturer's Installation Instructions: Indicate special procedures and perimeter conditions requiring special attention.
  - 4. Manufacturer's Certificate: Certify that products meet or exceed specified requirements.
  - 5. Test data: Provide documentation supporting tests referred to under item 1.3.

##### 1.5 QUALIFICATIONS

- A. Applicator: Company specializing in performing the work of this section approved by manufacturer.
- B. Manufacturer shall have been in business and shall have had experience in manufacturing these products for a minimum of 15 years.

##### 1.6 DELIVERY, STORAGE, AND HANDLING

- A. 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
- B. Store and protect materials from damage and weather in accordance with manufacturer's instructions.
- C. Store materials at temperatures between 40°F and 90°F. Keep out of direct sunlight.
- D. Support stored material containers on pallets and cover with tarpaulin tied to bottom of pallets.

##### 1.7 ENVIRONMENTAL REQUIREMENTS

- A. Do not apply if ambient temperatures are expected to fall below 45°F or if rain is expected before the application has time to cure.

##### 1.8 WARRANTY

- A. Provide five year manufacturer's warranty.

#### PART 2 PRODUCTS

##### 2.1 MANUFACTURER

- A. Sealoflex, Inc  
2520 Oscar Johnson Dr.  
Charleston, SC 29405  
Phone: (843) 554-6466  
(800) 770-6466  
Fax: (843) 554-6458

##### 2.2 MEMBRANE COMPOUND MATERIAL

- A. Waterproofing Material: Sealoflex three-stage, fabric reinforced, flexible coatings; liquid applied in successive stages to form one continuous, seamless watertight membrane 45 mil minimum cured total system thickness; comprised of the following:
  - 1. Base and Saturation Coats: Sealoflex Pink<sup>®</sup> (highly flexible waterbased acrylic co-polymer coating).
  - 2. Deck Fabric: Sealoflex Deck Fabric<sup>™</sup>, knitted polyester, non-woven fabric.
  - 3. Fabric: Sealoflex Fabric<sup>™</sup>, Polyester, non-woven, Stitch bonded and heat set fabric.
  - 4. Finish Coat: Sealoflex Finish Coat<sup>™</sup> (ultraviolet light resistant blend of highly flexible water-based acrylic co-polymer resin coating). Color as selected from manufacturer's standard colors.

## SEALOFLEX INC.

### CORPORATE OFFICES

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### LIMITED WARRANTY

Sealoflex warrants its products to be free of manufacturing defects and that they will meet Sealoflex's current published physical properties when applied in accordance with Sealoflex's directions. There are no other warranties by Sealoflex of any nature whatsoever, expressed or implied, including any warranty of merchantability of fitness for a particular purpose in connection with this product. Sealoflex Inc. shall not be liable for damages of any sort, including remote or consequential damages, resulting from any claimed breach of any warranty whether expressed or implied, including any warranty of merchantability of fitness for a particular purpose or from any other cause whatsoever.

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### B. Cured Membrane Characteristics:

PROPERTY	TEST	RESULT
Tensile Strength	ASTM D2370	3109 psi
Elongation	ASTM D2370	61%
Dimensional Stability	ASTM D1204	<0.44% change
Weathering	ASTM G26	No effect on physical properties after 3600 hours
Moisture Vapor	ASTM E96	3.2 grain/hr./sq.ft
Wind Uplift	FM 4470	Meets class 1-690 over concrete
Fire Rating	ASTM E108	Class A

## 2.3 WEARING SURFACE MATERIALS

- A. Decorative Deck Finish
1. Textured Finish: Sealoflex Coraflex (Resin bonded, decorative, flexible textured finish).
  2. Hardwearing Coating: Sealoflex Wearcoat, abradin resistant deck coating; hardwearing finish.

## 2.4 ACCESSORIES

- A. Sealant/caulk: One Part Polyurethane Sealant, Sealothane NST<sup>TM</sup>
- B. Surface Primer: Sealobond Primer WB<sup>TM</sup>, or Dampseal 101<sup>TM</sup>, or Sealoment Plus<sup>TM</sup>, or Rust-X 2020 and/or Metal Etch Primer<sup>TM</sup>, or EPDM Primer<sup>TM</sup>.
- C. Smoothing and Leveling Compound: Sealoflex Buttergrade<sup>TM</sup> flexible acrylic compound.
- D. Metal Drip Edge with top and bottom of horizontal surfaces pre-primed with Sealoflex Metal Etch Primer<sup>TM</sup>.

## PART 3 EXECUTION

### 3.1 EXAMINATION

- A. 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.
- B. Verify that substrate surfaces are smooth, and not detrimental to full contact bond of waterproofing materials.
- C. It is recommended that all concrete be tested for moisture content prior to application of the Sealoflex System. Structural concrete moisture should be < 8%. Cellular Lightweight concrete moisture should be < 19%. If the moisture content is greater than specified, it is recommended that Dampseal 101<sup>TM</sup> be applied.

### 3.2 PREPARATION

- A. Protect adjacent surfaces not designated to receive waterproofing.
- B. Clean and prepare surfaces to receive waterproofing by removing all loose and flaking particles, grease and laitence.
- C. Do not apply waterproofing to surfaces unacceptable to manufacturer.
- D. Seal cracks and joints with sealant materials using depth to width ratio as recommended by sealant manufacturer.

### 3.3 APPLICATION

- A. Apply primer to entire deck surface per manufacturers recommendations. Allow to dry.
- B. Apply Buttergrade to all joints below boards, edge of drip edge, screwheads and knotholes and to smooth out fabric edges of flashing. Allow to dry. Sand to a smooth finish.
- C. Install a 3/8" triangular bead of caulk at internal corners.
- D. Prime and install metal drip edge at outside perimeters of deck adhering into position using two 1/8" diameter beads of Sealant.
- E. Apply base coat, fabric, and saturation coat centrally over junctions between horizontal and vertical surfaces.

Use F1 for concrete surface

Use F2 for wood surface

- F1. Apply base coat to the prepared area. Immediately lay fabric into the wet coating. Roll in "saturation coat" from above using a 3/4" nap roller of airless spray. Allow to dry. Overlap adjacent runs of fabric 3" minimum. (Be sure overlaps are fully saturated).
- F2. Apply base coat to entire surface at the rate of 100 sq.ft./gal. Allow to dry. Inspect surface for any imperfections. Smooth out imperfections with smoothing and leveling compound. Allow to dry. Sand to a smooth finish. Lay deck fabric directly over the dry base coating. Overlap adjacent runs of fabric 3" minimum. Using brush, roller or spray, apply saturation coat and back roll to cover and penetrate fabric. Allow to dry. (Be sure overlaps are fully saturated)
- G. Apply Finish Coat over entire area at 70 sq.ft./gal. Allow to dry.
- H. Total cured thickness of waterproofing to be 45 mil dft.
- I. Apply extra thickness of waterproofing material at corners, intersections, angles, and overlap joints.
- J. Seal watertight items projecting through waterproofing material using flashing fabric.
- K. Apply textured finish by trowel or hoppergun at the rate of 80-100 sq.ft./5 gal. to achieve desired finish. Allow to dry.
- L. Apply 2 coats of hardwearing coating at a rate of 180 sq.ft./gal. per coat to provide a pedestrian traffic finish.
- M. Total cured thickness of waterproofing system and textured finish to be 80 mil dft.

### 3.4 CLEANING

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

### 3.5 PROTECTION OF FINISHED WORK

- A. Protect finished waterproofing from weather until cured.

### END OF SECTION

**IMPORTANT NOTE:** Always check our website, www.sealoflex.com to determine if the printed literature you are reading is the most current version available