

2.3.3 Below Grade, Submerged Walls and Ponds

Architectural Specifications

**SECTION 07120
FLUID APPLIED WATERPROOFING
(FOR BELOW GRADE, SUBMERGED WALLS AND PONDS)**

PART 1 GENERAL

1.1 SECTION INCLUDES

- A. Fluid applied flexible reinforced synthetic rubber or cementitious based waterproofing system over below grade, submerged walls and ponds.

1.2 RELATED SECTIONS

- A. Section 03300 - Cast in place Concrete
- B. Section 04300 - Unit Masonry System: Masonry substrate.
- C. Section 07900 - Joint Sealers.

1.3 SUBMITTALS

- A. Product Data: 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 dampproofing membrane.
- B. Manufacturer's Installation Instructions: Indicate special procedures and perimeter conditions requiring special attention

1.4 QUALIFICATIONS

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

1.5 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.

1.6 ENVIRONMENTAL REQUIREMENTS

- A. Do not apply if ambient temperatures are expected to fall below 32°F or if rain is expected before the application has time to cure.

1.7 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:
 1. Primer: Sealoment Plus™ polymer modified cementitious waterproofing primer.
 2. Base and Saturation Coats: Sealoflex CT Pink™ (highly flexible synthetic rubber based coating).
 3. Fabric: Sealoflex fabric, stitch bonded polyester, non-woven fabric.
 4. Finish Coats: Sealoflex CT Top™ ultraviolet light resistant blend of highly flexible, synthetic rubber coating. Color as selected from manufacturer's standard colors.
 5. Finish Coats: Sealoflex CT Pond Grade™ for use in Fish and Aquatic Ponds - ultraviolet light resistant blend of highly flexible, synthetic rubber coating. Available in black only.

SEALOFLEX INC.

CORPORATE OFFICES

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SALES OFFICE

CHARLESTON, SC
HAMBURG, GERMANY
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Sealoflex®

Waterproofing Systems

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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2.3 ACCESSORIES

- A. Drainage System: Sealodrain 200, 500, or 650, dimpled plastic sheet laminated to a geotextile filter fabric.
- B. French Drain Substitute: Total drain, 1" deep dimpled plastic sheet laminated to a geotextile filter fabric in 12" widths.

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 damp-proofing system.
- B. Verify that substrate surfaces are smooth, and not detrimental to full contact bond of damp-proofing material

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 water-repellent coating to surfaces unacceptable to manufacturer.

3.3 APPLICATION

Include only paragraphs A & B for negative head water pressure waterproofing

- A. Mix Primer in accordance with manufacturer's instructions to form a product of paintable consistency.
- B. Apply product to prepared masonry surface by brushing in two separate coats. Total application rate for both coats of waterproofing product is to be 250 sq.ft./50 lb. bag.

Include paragraphs C, D, E, F, G, H, I & J for positive head pressure waterproofing

- C. Prime the prepared masonry surface with Primer @ 300 sq.ft./50 lb. bag.
- D. Apply base and saturation coats at a total rate of 40 sq.ft./gal.

- E. Apply base coat to the entire area. Embed fabric directly into the coating while still wet. Overlap adjacent runs of fabric 3" minimum. Allow to dry. Follow with saturation coat to cover fabric. Allow to dry.
- F. Continue waterproofing material onto horizontal surface of footing a minimum of 6".
- G. Seal items projecting through waterproofing material watertight.
- H. Apply 2 coats of finish coat over waterproofing material at the rate of 140 sq.ft./gal./coat. Total coverage is 70 sq.ft./gal.
- I. Place drainage mat into position over waterproofing system.
- J. Install french drain substitute against wall at top surface of footing

3.4 CLEANING

- A. Immediately clean adjacent areas not scheduled to receive damp-proofing in accordance with manufacturer's instructions.

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