

**SECTION 07 14 16
FLUID APPLIED WATERPROOFING (SOLVENT BASED)
FOR PLANTER BOX**

PART 1 GENERAL

1.1 SECTION INCLUDES

- A. Fluid applied flexible reinforced rubber based waterproofing system for Planter Box.

1.2 RELATED SECTIONS

- A. Section 03 30 00 Cast in place Concrete
- B. Section 04 22 00 Unit Masonry System
- C. Section 07 91 23 Backer Rods
- D. Section 07 91 26 Joint Fillers
- E. Section 07 26 16 Below-Grade Vapor Retarders
- F. Section 07 27 26 Fluid-Applied Membrane Air Barriers

1.3 REFERENCES

- A. ASTM G26 Practice for Operating Light Exposure Apparatus (Xenon Arc Type) With and Without Water for Exposure of Non Metallic Surfaces.
- B. ASTM E96 Water Vapor Transmission of Materials.

1.4 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 damp proofing membrane.
- B. Manufacturer's Installation Instructions: Indicate special procedures and perimeter conditions requiring special attention

1.5 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.

1.6 REGULATORY REQUIREMENTS

- A. CT Products are Naphtha based and are **HIGHLY FLAMMABLE!**
- B. CT Products **MUST** be **POURED** out of the bucket then applied. **DO NOT** plunge roller into bucket, as static electricity from the roller may start a fire.

1.7 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.

1.8 ENVIRONMENTAL REQUIREMENTS

- A. Do not apply if rain is expected before the application has time to dry.
- B. Temperatures should remain in the following ranges during application, drying and curing:
 - a. For Solvent based products:
 - i. Ambient Temperatures: between 32°F and 105°F
 - ii. Surface Temperature: between 32°F and 130°F
 - b. For Water based products:
 - i. Ambient Temperatures: between 45°F and 105°F
 - ii. Surface Temperature: between 40°F and 130°F

1.9 WARRANTY

- A. Upon contractor's completion of project and proper submittal of warranty request forms and documentation, manufacturer will determine acceptance and issue 5 year manufacturer's warranty.

PART 2 PRODUCTS

2.1 MANUFACTURER

- A. Sealoflex, Inc
2520 Oscar Johnson Dr.
Charleston, SC 29405
www.sealoflex.com
- 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 system; liquid applied in successive stages to form one continuous, seamless watertight membrane 40 mil (1.0 mm) minimum cured total system thickness: comprised of the following:

1. Base and Saturation Coats:
Sealoflex CT Pink™ Highly flexible synthetic rubber based coating
2. Flashing Fabric:
4", 6", 12", 20" Sealoflex Fabric™ Polyester, non-woven, stitch bonded and heat set fabric
3. Field Fabric:
40" Sealoflex Fabric™ Polyester, non-woven, stitch bonded and heat set fabric
4. Finish Coat:
Sealoflex CT Top™ Ultraviolet light resistant blend of highly flexible synthetic rubber based coating.

- B. Cured Membrane Characteristics:

<u>PROPERTY</u>	<u>TEST</u>	<u>RESULT</u>
Tensile Strength	ASTM D2370	3109 psi
Elongation	ASTM D2370	61% (reinforced)
Moisture Vapor	ASTM E96	6.3 x 10 ⁻³ grains/ft ² /hr
Wind Uplift	FM 4470	Meets class 1-690
Fire Rating	ASTM E108	Class A

2.3 ACCESSORIES

- A. Adhesive Sealant:
Generic Single-part polyurethane caulk
- B. Surface Primer:
Sealoflex Sealobond Primer™ Acrylic Primer
- C. Surface Primer:
Sealoflex Sealoment Plus™ Cementitious Primer
- D. Drainage System:
Sealodrain 200™ Dimpled Plastic Sheet with Geotextile Filter Fabric

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 laitance.
- C. Do not apply water-repellent coating to surfaces unacceptable to manufacturer.

3.3 APPLICATION

- A. Apply primers, if applicable, depending upon surface conditions. Allow to dry.
- B. Apply 3/8" triangular bead of Adhesive Sealant at internal corners.
- C. Apply Base Coat, Flashing Fabric and Saturation Coat over cracks, flashings, non-working joints and cold joints at 30 sq.ft./gallon. Allow to dry. Be sure fabric runs to the top of the planter.
- D. Apply Base Coat, Field Fabric and Saturation Coat at 30 sq.ft./gallon over the entire area. Overlap adjacent runs of fabric 3" minimum. Allow to dry. Be sure fabric runs to the top of the planter.
- E. Apply two coats of Finish Coat over the entire area at 140 sq.ft./gallon per coat. Allow to dry between coats.
- F. Waterproofing system should be a minimum of 40 mils total cured thickness and allowed to cure 7 days before installing Drainage System.
- G. Line the Planter with the Drainage System on all sides and the bottom of planter. Perforate the bottom of drainage mat to allow water to drain easily into the internal drain. Back fill to hold into place. Be sure to have the Drainage System finish above the soil level to allow air flow.

3.4 CLEANING

- A. Immediately clean adjacent areas not scheduled to receive waterproofing in accordance with manufacturer's recommendations.

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.