

**SECTION 07 19 23
TRANSPARENT MASONRY WATERPROOFING (WATER BASED)
SEALCLEAR OVER MASONRY, BRICK AND STONE FOR EXTERIOR WALKWAYS**

PART 1 GENERAL

1.1 SECTION INCLUDES

- A. Water-repellent coating of external Masonry, Brick and Stone surfaces with water siloxane based impregnating agent.

1.2 RELATED SECTIONS

- A. Section 04 22 00 Concrete Masonry Units
- B. Section 07 91 00 Joint Sealers

1.3 REFERENCES

- A. ASTM C666 Test Methods for Freeze - Thaw Durability.
- B. ASTM C672 Scaling Resistance

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 water-repellent impregnating agent.
- 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. Product: Must contain a minimum of 11% oligomeric organosiloxane.
- C. 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. Products: V.O.C. Requirements shall be less than 90 grams/liter.

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 10 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
Toll Free: (800) 770-6466
Fax: (843) 554-6458

2.2 MATERIALS

- A. Water-repellent:
Sealclear™ Water Siloxane Based Masonry Impregnating Agent
- B. Characteristics: Material able to hydrolyze under the influence of atmospheric moisture and to polymerize to a polysiloxane which is tack free and hydrophobic in nature.

2.3 ACCESSORIES - N/A

3.1 EXAMINATION

- A. Verify substrate surfaces are durable; free of frozen matter, dampness, loose particles, cracks, pits, projections, or foreign matter detrimental to application of water-repellent system.
- B. Verify that substrate surfaces are not detrimental to full contact bond of water repellent materials.

3.2 PREPARATION

- A. Protect adjacent surfaces not designated to receive water-repellent coating. Protect glass from overspray or spillage.
- B. Clean and prepare surfaces to receive waterproofing by removing all loose and flaking particles, grease dirt, laitance and efflorescence.
- C. Do not apply waterproofing to surfaces unacceptable to manufacturer.
- D. Do not apply water-repellent coating to new masonry surfaces until mortar has cured for a minimum of 28 days.

3.3 APPLICATION

- A. Pump Spray, Brush or roller apply coating in accordance with manufacturer's instructions.
- B. Apply first coat of water repellent (approximately 0.75 gallon per 100 sq.ft.). Allow to dry.
- C. Apply second coat of water repellent (approximately 0.25 gallon per 100 sq.ft.). Allow to dry.

3.4 CLEANING

- A. Immediately clean adjacent surfaces not scheduled to receive water-repellent coating in accordance with manufacturer's instructions.

END OF SECTION