

FlexCrete Cementitious Waterproofing Receives Miami-Dade County Product Control Approval



FlexCrete IS LABORATORY AND FIELD PROVEN

Independent ASTM Testing at PRI Labs proves the Viability of **FlexCrete**

After several years of hard work and intensive testing, Valcon Industries LLC. has been granted the Miami-Dade Notice of Acceptance (NOA) for their **FlexCrete** product. Although Valcon Waterproofing Systems are the premier choice of pool professionals, the NOA now allows **FlexCrete** to be used on buildings in Miami-Dade County where ever an NOA is required.

The NOA is independent proof that **FlexCrete** is approved for use in the Miami-Dade Hurricane Zone! The Miami-Dade NOA is recognized around the world as having one of the most thorough and stringent testing requirements. **FlexCrete** met or exceeded all of their requirements: extremely high Weathering, Bond Strength, Abrasion Resistance, Water and Chemical Resistance, Freeze / Thaw, Load Testing, Wind Uplift and Spread of Flame (see reverse for actual test results).

For over 10 years, the Valcon Waterproofing System featuring **FlexCrete** has been protecting concrete surfaces with a proven track record around the world. Pools, spas, fountains, decks, balconies, parking decks, walkways and any other cementitious substrate where waterproofing is required. **FlexCrete** also meets ANSI 61 requirements and so can be used in potable water containment systems.

The Miami-Dade County NOA recognition is independent laboratory proof of our track record and we are proud to have achieved it!

Valcon Industries introduced **FlexCrete** as the original cementitious waterproofing product 10 years ago and now with Hurricane Zone approval, we continue to lead the way.

Why use a pretender when you can use the original, laboratory and field tested **FlexCrete**!

SPECIFY **FlexCrete** ON YOUR NEXT CONCRETE WATERPROOFING PROJECT

FlexCrete is permanent
waterproofing for:

- BALCONIES
- SWIMMING POOLS
- PARKING DECKS
- ROOF DECKS
- KOI PONDS
- STAINLESS STEEL VESSELS
- WATER TREATMENT PLANTS
- SPAS
- BRIDGE DECKS
- PLANTERS
- FOUNTAINS
- SEA WALLS



ASTM CERTIFIED LABORATORY TEST DATA NOA No: 17-1206.01

ASTM G 155 Accelerated Weatherometer Testing—ASTM C 1442—ICC-ES AC 39

5 specimens under 2000h (Xenon-Arc) Results: No cracking, crazing, spalling, or softening under 5X magnification. 20 years of weathering

ASTM D756 Accelerated Aging

Weight and shape changes of plastics; No weight or shape changes No change as the material ages

ASTM C 297 Bond Strength—ASTM G 155—ASTM C 67

Initial results: 3.9 times the requirement Superior initial strength

After Weatherometer testing: 13.5 times the requirement The bond strength increases with age and exposure to water

After Freeze thaw: 8.5 times the requirement The bond strength increases in Northern climates where freeze - thaw takes place

ASTM C 501 Abrasion Resistance

80% better than the requirement Superior resistance to wear and tear on the surface of the material.

ICC-ES AC39 Percolation Test (in. of water loss)

20% better than the requirement Superior waterproofing

ASTM D 570 Water Absorption

14% better than the requirement Superior waterproofing

ASTM D 2299 Chemical Resistance

Industrial Detergent Solution (20%) Resistant to cleaning chemicals

Ammonia Solution (20%)

Salt Solution (20%) Resistance to high concentrations of salt solutions

Muriatic Acid (10%) Resistant to chemical attack from acidic materials.

Chlorine (10%) Not affected by high chlorine concentrations

Ethylene Glycol Antifreeze (100%)

Kerosene (100%)

Turpentine (100%)

Paint Thinner/Mineral Spirits (100%) Works in harmony with Valcon's Liqueaseal.

All chemicals passed the requirement

ASTM C 670 Freeze/Thaw Resistance

40% better than the requirement with no cracking Significant resistance to freeze -thaw

TAS 114-95 Concentrated Load Test

Passed Perfect system for vehicular and pedestrian traffic systems

TAS 114 (D) Wind Uplift Resistance

Note: The base coated assemblies had the test units (pavers, ceramic tile, Marble paver and brick pavers with the results respectively. The assembly utilized ANSI A118.1 mortar mixed with the Flexcrete Polymer.

Standard Concrete Paver: 1005 pounds per square foot (PSF) Significant adhesion against uplift.

12" x 12" ceramic tile: 935 psf Significant adhesion against uplift.

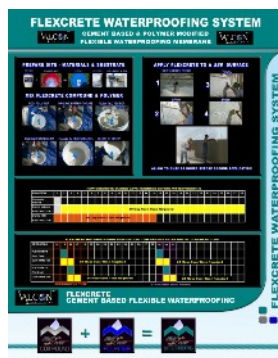
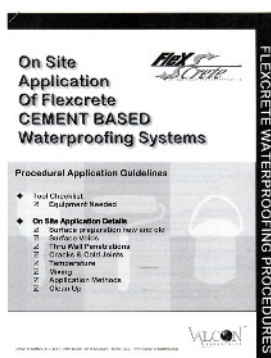
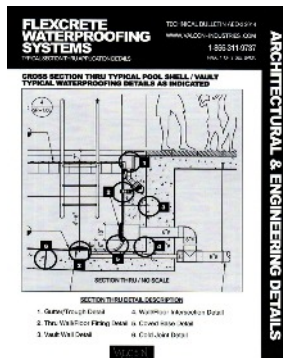
12" x 12" marble paver: 960 psf Significant adhesion against uplift.

6" x 6" brick paver 1005 psf Significant adhesion against uplift.

ASTM E 108 Spread of Flame

CLASS A Spread of Flame The material does not burn or support the spread of flame.

FLEXCRETE EXCEEDS ALL REQUIREMENTS FOR MIAMI-DADE NOA AND MEETS ANSI 6I REQUIREMENTS FOR POTABLE WATER



Additional technical data available upon request for all PRIMARY AND SECONDARY waterproofing requirements. This includes Engineering Details, Application Guidelines and Reinforcing mesh. www.valcon-industries.com or 1-866-311-9737 Toll Free