

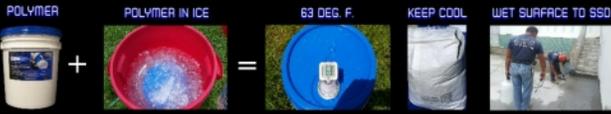
# FLEXCRETE WATERPROOFING SYSTEM



**CEMENT BASED & POLYMER MODIFIED  
FLEXIBLE WATERPROOFING MEMBRANE**



## PREPARE SITE - MATERIALS & SUBSTRATE



## MIX FLEXCRETE COMPOUND & POLYMER



## APPLY FLEXCRETE TO A SSD SURFACE



ALLOW TO CURE 24 HOURS BEFORE SECOND APPLICATION

### NEW CONCRETE CURING DAYS REQUIRED BEFORE WATERPROOFING

FUNCTION	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	
Concrete Placed																													
Cured without RESTRUCTOR																													
Cured with RESTRUCTOR																													

### FLEXCRETE WATERPROOFING APPLICATION TIME FRAMES AFTER INITIAL CONCRETE CURE

OPERATION	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
FLEXCRETE First Coat																		
Cure TIME 1st																		
FLEXCRETE 2nd Coat																		
Cure Time 2nd																		

RESTRUCTOR TIME

STANDARD TIME FRAME



**FLEXCRETE  
CEMENT BASED FLEXIBLE WATERPROOFING**



FLEXCRETE WATERPROOFING SYSTEM



# FLEXCRETE SYSTEM

TECH BULLETIN: FCWSTD 2015 4-6-2015



**ENVIRONMENTALLY SAFE & EFFECTIVE WATERPROOFING**

**TECHNICAL DATA SHEET**

**1.0 PRODUCT**

FLEXCRETE WATERPROOFING SYSTEM

**2.0 MANUFACTURER**

Valcon Industries, LLC 1-866-311-9737  
 Suite 11, 6321 Porter Road, Sarasota, Florida 34240  
 Distributed by Valcon Industries

**3.0 PRODUCT DESCRIPTION**

**3.1 FLEXCRETE SYSTEM**

FLEXCRETE COMPOUND is a highly specialized blend of aggregates, cements, graded sands and proprietary additives. The material is to be used and mixed with FLEXCRETE POLYMER as a waterproofing/overlay/micro topping material.

**4.0 MODE OF OPERATION**

**4.1 PRIMARY Applications**

Concrete wall and block foundations Manholes and Wastewater Holding Tanks Swimming Pools & Spas, Reservoirs and Potable Water Tanks, Balconies, Seawalls, Interior and Exterior Waterproofing All Structures

**4.2 FLEXCRETE SYSTEM Functions - Features & Benefits**

Waterproofs and Decorates, Tenacious Bonding Capacity, Becomes An Integral Part Of The Substrate, Durable and Permanent, Breathable, Extremely Flexible

**4.3 TECHNICAL INFORMATION**

PHYSICAL PROPERTY	ASTM TEST METHOD	TYPICAL VALUE
Compressive Extended	C109	5950 psi
Flexural Extended	C348	940 psi
Water Vapor Transmission	E96	passes
Adhesive Strength on Steel Plate		994.7 psi
Impact Strength		16 pounds
Tensile Strength		615 psi
Permeability	CRD C48-73	Surpasses
Pull Off	d4541.02	Surpasses
Hydrostatic Pressure 1/10"		100 psi
Sheer Bond Adhesion		650 psi

**POTABLE WATER**

NSF/ANSI 61-2012 Section 5 Complies

**4.4 Surface Preparation**

In all cases the surface shall be clean and free from anything that would inhibit the bonding capacity of the Flexcrete Waterproofing System. Surface must be structurally sound and free of any bond breaking materials. All cracks, spalls, voids shall be repaired prior to application.

**4.5 Material Temperature Control / Pot Life**

All materials should be kept out of the sun and heat. This excessive heat will accelerate the hydration or setting process. To extend the pot life of the material fill a garbage can or vessel larger than the five gallon bucket diameter with ice and water. Place the mixing fluid in the container prior to using and keep in container while work progresses. This will extend pot life 20-30 minutes. At 70 degrees F. The pot life is approximately 30 minutes.

**5.0 MIXING & APPLICATION OF FLEXCRETE COMPOUND**

1. Place Flexcrete Polymer in empty five gallon container. Place the appropriate amount of liquid based on application type.
2. Using a dual bladed rotary mixer on a high speed drill start mixing the fluid and slowly add the Flexcrete Compound, mixing continuously until a creamy, smooth, lump free pancake batter consistency is achieved.
3. Once thoroughly mixed, stop mixing and allow the material to dwell or fatten for a period of five minutes. After five minutes, remix and add additional fluid if necessary to the desired consistency.
4. Apply to a dampened SSD (Saturated Surface Dry) substrate by roller, brush, trowel or spray. It is preferred to apply the material and work sufficiently into the surface filling all pits holes and voids. Allow to dry overnight.
5. Apply the second coat in the same manner as described above only perpendicular to the first application.
6. Allow to cure overnight before further applications and seven days prior to water testing on swimming pools.

**6.0 COVERAGE BY METHOD**

These are theoretical coverage's. Field conditions predicate actual consumption rate. A minimum of 1/8" is required to create a waterproof condition.

METHOD	COVERAGE	POLYMER QUANTITY	COMPOUND QUANTITY	APPROX. THICKNESS
TROWEL	40-50 sq. Ft.	1 gallon	50 lbs.	1/8" (.125)
SPRAY	225 sq. ft.	1.5 gallon	50 lbs.	10-30 mil.
SPRAY AND BRUSH	200 sq. ft.	1.5 gallon	50 lbs.	1/16"
BRUSH	175 sq. ft.	1.5 gallon	50 lbs.	1/16"
SQUEEGEE	200 sq. Ft.	1.5-1.75 gallon	50 lbs.	35-40 mils.

**7.0 PACKAGING**

Available in 50 pound (922.7 kg) black, white or gray sacks. To be used with Flexcrete Polymer in 1 gal. (3.7 liter) or 5 gal. (18.9 liter)

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