



# SLABREZ 47

## TECHNICAL DATA SHEET

Acrylic Polymer Concentrate

PRODUCT ID:

### PRODUCT DESCRIPTION

SLABREZ 47 cement modifier can be used in both sprayable and patching mortar applications. This acrylic polymer concentrate is designed for sprayable cementitious compositions - like exterior insulation and finish systems (EIFS) basecoats and adhesives and sprayable stucco-type coatings - and can be applied over a variety of surfaces. Applied correctly, this modifier works well on old concrete and masonry, brick, wood, metals, and many other surfaces.

### PERFORMANCE ADVANTAGES

- Improves flexural strength and adhesion of cement mortars
- Improves freeze thaw resistance of cement mortars
- Improves compressive strength of cement mortars
- VOC and EPA Compliant in all states and provinces in North America
- Cures to an inert finish
- Excellent chemical and abrasion resistance
- Designed for new floors and for resurfacing old floors

### LIMITATIONS

- This product is best suited for applications when the temperature is between 60°F to 90°F (16°C to 32°C). Do not apply when Relative Humidity exceeds 85%.
- Higher temperatures will result in shortened working time and drying time.

### COLORS

Clear

### USAGE RATE

- .75 gallon to 1 gallon per 50 pounds of decking material

### CONCRETE

Concrete must be structurally sound and free of curing agents, coatings, sealers, densifiers and other bond breakers.

#### New Concrete:

- Place concrete per ACI 302.2R Guide for concrete slabs that receive moisture-sensitive floor materials.
- Water cement ratio 0.4 to 0.5, and an approximate 4,000 psi (28 MPa) strength level.
- Requiring a positive side moisture barrier in direct contact with the concrete meeting ASTM E1745 Standard Specification for plastic water retarders used in contact with soil or granular fill under concrete slabs.
- The moisture barrier needs to be placed per ASTM E1643 Standard Practice for selection, design, installation of water vapor retarders used in contact with earth or granular fill under concrete slabs, Class A 15 mils (0.38mm)

#### Existing Concrete:

- If field tests or laboratory analysis reveals inferior concrete flooring slabs containing contaminants from previously applied unreacted silicate materials that will interfere with the bond, use **SLABLOC® 50**.
- Contaminants include, but are not limited to, organic hydrocarbon materials, calcium chlorides and aluminum stearates.
- Concrete flooring slabs can lose their structural strength over time, caused by conditions beyond the control of the flooring manufacturer or the installation contractor.

PHYSICAL PROPERTIES @ 77°F (25°C) 3-5 DAY CURE  
DEPENDING ON TEMPERATURE  
(UNLESS OTHERWISE STATED)

VOC (Volatile Organic Compounds), (VOC Calculated Per ASTM D3960)	0 gr./lt.
Solids Content, by Volume (Clear Gloss)	47.0% +/- 2%
Mix Ratio, by Volume with water	1:1
Minimum Application Surface Temperature	45°F

### CHECK CONCRETE MOISTURE

Concrete must be dry before application of this floor coating material. Concrete moisture tests are required, either ASTM F1869 (calcium chloride) or ASTM F2170 (in situ RH probe). Refer to appropriate Technical Data Sheet limits.

### CHECK TEMPERATURE & HUMIDITY

Floor and material temperature must be at or above the published Technical Data Sheet. Dew Point must be 50F (30F) or more below the surface temperature. Do not apply if humidity is at or above 85%.

### SURFACE PREPARATION

Surface preparation in accordance with: ICRI Guideline No. 310.2R Selecting and Specifying Concrete Surface Preparation for Sealers, Coatings, Polymer Overlays, and Concrete Repair. The pH of the concrete substrate should be at 9 or above. All bond-breaking material must be removed.

### MIXING

For use as an admixture in cement mortars SLABREZ 47 should be mixed 1- part polymer to 1-part clean water. When using SLABREZ 47 as a bonding agent it should be reduced 2-parts clean water to 1-part polymer.

### APPLICATION

When using SLABREZ 47 as a bonding agent, apply two coats of reduced material at a rate of 250-350 square feet per gallon. Cementous material can be placed as soon as the material is cured enough to walk on (1-4 hours) and no more than 24 hours. If more than 24 hours has passed another coat must be applied. When using

SLABREZ 47 as an admixture, add 1.25-2 gallons of reduced material per 50 pounds of mortar mix.

### SKID RESISTENCE

Skid-Resistance – Field (in situ) Wet Dynamic Coefficient of Friction (DCOF), ANSI A326.3.

### SHIPPING AND STORAGE

Ship and store material between 40°F to 90°F (4°C to 32°C). Store in a dry environment and out of direct sunlight.

### SHELF LIFE

Shelf life is 2 years from the date of manufacturer, provide the containers are unopened.

### CLEAN-UP

Clean-up mixing station, tools and equipment as required. Use soap and water Once material is cured solvent may be needed to remove. Make sure the working areas are well ventilated at all times during placement and curing time.

### DISPOSAL

Dispose of empty packaging and other waste in accordance with federal, state, provinces and local regulations.

### MAINTENANCE

Inspect the installed floor by spot cleaning and spot repairing the damaged or cracked areas. To prolong life of the flooring system, a daily maintenance program is highly recommended to ensure the floor is safe for its intended purposes.

### TECHNICAL SUPPORT

For questions, contact a Desert Polymer Flooring representative.

**LIMITED WARRANTY**

Desert Polymer Flooring warrants its products to be free of manufacturing defects and meets all Desert Polymer Flooring's current published physical properties. Desert Polymer Flooring's sole responsibility shall be to replace the portion of any product proved to be defective. There are no other warranties by Desert Polymer Flooring of any nature whatsoever expressed or implied, including any warranty of merchantability or fitness for a particular purpose in connection with this product. Desert Polymer Flooring 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. Desert Polymer Flooring shall not be responsible for the use of this product in a manner to infringe on any patent held by others. In addition, no warranty or guarantee pertaining to appearance, color, fading, chalking, staining, shrinkage, peeling, normal wear and tear or improper application by the applicator will be issued. Damage caused by abuse, neglect and lack of proper maintenance, acts of nature and/or physical movement of the substrate or structural defects are also excluded from the limited warranty. Desert Polymer Flooring reserves the right to conduct performance tests on any material claimed to be defective prior to any repairs by owner, general contractor, or applicator.

**DISCLAIMER**

All technical bulletins, installation guidelines, guidelines, recommendations, statements, specifications, and technical data contained herein are based on information and tests. The accuracy and completeness of such tests are not guaranteed and are not to be construed as a warranty, expressed or implied. It is the responsibility of the user to document information and tests to determine the intent of the product for ones' own use. The application, job conditions and user assume all risks and liability resulting from use of the product. We do not suggest or guarantee any hazards listed herein are the only ones, which may exist. Neither seller nor manufacturer shall be liable to the buyer or any third person for any injury, loss or damage directly or indirectly resulting from use of, or inability to use the product. Recommendations or statements, whether in written or verbal, other than those contained herein shall not be binding upon the manufacturer, unless in writing and signed by a corporate officer of the manufacturer. Technical and application information is provided for the purpose of establishing a general profile of the material and proper application procedures. Test performance results were obtained in a controlled environment and Desert Polymer Flooring makes no claim that these tests or any other tests accurately represent all environments. Not responsible for any typographical errors.

**FOR INDUSTRIAL USE ONLY. KEEP OUT OF REACH OF CHILDREN. KEEP CONTAINERS TIGHTLY CLOSED.**

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