

# SEALPRO

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LLC

Mechanical Seals & Packing · Dynapro Sealplus · Maintenance Products  
Boiler Products · Hydraulic Seals · O-Rings · Gaskets · Panseal  
Multi-Component Epoxy · Flexkrete Concrete Repair System  
Seal-Once Waterproofing · Polyval Moisture Cure Polyurethanes

## **PRODUCT GUIDELINES: How to Mix and Apply FlexKRETE**

Horizontal, Vertical, Overhead, Overlays, Slurry-Broadcast, Self-Leveling, Coating with Broadcast

### **BEFORE YOU BEGIN: QUICK REFERENCE AND TIPS**

**EXPANSION JOINTS:** Retain joints by inserting a spacer board, FlexKRETE the edges, let cure for 30 minutes, then tap board end to remove.

**COLOR MATCHING:** For a more gray appearance, use less sand. Use more sand for tan. Adding fumed silica also creates a more gray color.

**FLEXTMP ACCELERATOR:** Speeds cure time and is great for cold temperatures as low as -35° F. NEVER MIX FLEXTMP DIRECTLY WITH FLEKKRETE CATALYST - MIX IN SEPARATELY.

**PROPER MIXING:** Always power-mix using a variable speed electric drill w/ a rectangle thinset mixing paddle. Motar mixers are recommended for large projects.

**VEHICULAR TRAFFIC:** Apply a double-broadcast.

**PEDESTRIAN TRAFFIC:** Applying a single broadcast is typically sufficient.

**INDUSTRIAL SHOP FLOORS:** Depending on traffic, a single or double-broadcast can be applied.

**BALCONIES & WALKWAYS:** For light traffic, applying a single broadcast is typically sufficient.

**EASY TROWELING:** Keep stainless trowels clean by wiping with acetone frequently.

**CLEANING TOOLS:** Use only acetone to clean all tools and equipment.

### **LIMITATION OF LIABILITY**

**SEALPRO INC. WILL NOT BE RESPONSIBLE FOR CONCRETE MOVEMENT WHICH CAN CAUSE CRACKING OF THE FLEKKRETE REPAIR AND OR ANY UNFORSEEN CIRCUMSTANCES WHICH CAN CAUSE PREMATURE FAILURE OF THE REPAIR. THE CLIENT WILL COMPENSATE SEALPRO INC. FOR UNFORSEEN ADDITIONAL WORK AS DEFINED IN THE SCOPE OF WORK. THIS ADDITIONAL WORK WILL BE NEGOTIATED SEPARATELY FROM THE QUOTATION. PAYMENT TERMS: NET 10 DAYS**

## **FLEXKRETE MIXING AND APPLICATION INSTRUCTIONS**

### **HORIZONTAL REPAIR**

**CLEAN SURFACE:** Cut or chip vertical lip around repair area to 1/4" depth or more. Remove dirt, debris, paint and contaminants to produce a clean, dry solid base. Mechanically clean area with blaster, scarifier, chipping hammer, grinder or wire wheel as needed. Vacuum or blow clean to remove excess dust.

**FLEXPRIME:** Mix equal parts A & B, then apply very thin coat to prepped area using a brush, roller or sprayer (avoid puddles/ridges). Thin with up to 1-part acetone for easy application and penetration. Allow FlexPrime to become very tacky before applying FlexKRETE.

**FLEXKRETE:** Open pail and power-mix for 60 seconds minimum w/ corded drill to disperse material.

**MEASURE FLEXKRETE:** Measure and pour amount needed into clean mixing pail.

**CATALYZE:** Loosen catalyst bottle lid, fill chamber with amount needed. Remove lid and pour catalyst into mixing pail, power-mix for 30 seconds.

**MEASURE & ADD AGGREGATE:** Add 3 to 3.5 parts clean dry sand into mixing pail containing catalyzed FlexKRETE, then power-mix until well blended.

**APPLY MATERIAL:** Pour into void, and then fill flush, pushing firmly into voids. Trowel smooth using long, smooth strokes. Sprinkle sand onto wet surface to reduce tack.

**NOTE: PRIMER -** A Spray Bottle may be used to apply primer.

### **VERTICAL and OVERHEAD REPAIR | Same as horizontal EXCEPT**

**SPECIAL PRIMING:** Allow FlexPrime to become very tacky before applying FlexKRETE. In cold temperatures, a torch can be used to heat up concrete before applying FlexPrime, allowing primer to set up quicker.

**NOTE:** Primer should be tacky enough to ensure the repair material achieves a mechanical bond to repair area. On dry concrete, catalyzed FlexKRETE may be substituted for FlexPrime.

**VERTICAL APPLICATIONS:** After measuring & catalyzing FlexKRETE, mix 2-parts blast sand & 2 to 3-parts fumed silica. 3-parts fumed silica produces a stiff, dough-like material that can be hand-placed and troweled smooth. 2-parts fumed silica and 2-parts sand produces a less-stiff material and recommended as a good starting point to evaluate ratios needed.

**OVERHEAD APPLICATIONS:** After measuring & catalyzing FlexKRETE, mix 1-part blast sand and 2 to 3-parts fumed silica. If material is too heavy, decrease amount or eliminate sand, and use fumed silica only.

**NOTE: FOR STRONG ADHESIVE -** Mix 1-part catalyzed FlexKRETE with 1-part fumed silica. The more fumed silica added to the mix, the lighter the repair material will be.

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## **OVERLAYS | Slurry-Broadcast/Self-leveling**

**CLEAN SURFACE:** Cut or chip vertical lip around repair area to 1/4" depth or more. Remove dirt, debris, paint and contaminants to produce a clean, dry solid base. Mechanically clean area with blaster, scarifier, chipping hammer, grinder or wire wheel as needed. Vacuum or blow clean to remove excess dust.

**FLEXPRIME:** Mix equal parts A & B, then apply very thin coat to prepped area using a brush, roller or sprayer (avoid puddles/ridges). Thin with up to 1-part acetone for easy application and penetration. Allow FlexPrime to become very tacky before applying FlexKRETE.

**FLEXKRETE:** Open pail and power-mix for 60 seconds minimum w/ corded drill to disperse material.

**MEASURE FLEXKRETE:** Measure and pour amount needed into clean mixing pail.

**CATALYZE:** Loosen catalyst bottle lid, fill chamber with amount needed. Remove lid and pour catalyst into mixing pail, power-mix for 60 seconds.

**MEASURE & ADD AGGREGATE:** Add 1.5 to 2-parts clean dry sand into mixing pail containing catalyzed FlexKRETE, then power-mix until well blended.

**APPLY MATERIAL:** Pour ribbon of slurry-mix onto repair area using a notched squeegee or gauge rake, applying the material to desired depth. Immediately broadcast with aggregate and allow to cure.

**NOTE:** For Self-Leveling: Leave alone, or for a fine slurry-broadcast repair, immediately broadcast with aggregate and allow to cure.

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