



# Concrete Resurfacing (Broom Finish System)

## APPLICATION INSTRUCTIONS

### **SUPER-KRETE PRODUCTS REQUIRED:**

- S-12000 Heavy Duty Degreaser™
- S-1300 Pene-Krete®
- S-9300 Bond-Kote® (Gray or White)
- Super-Krete Sealer of Choice

Broom finishes provide an economical alternative to the removal and replacement of existing concrete. This system creates a flexible and durable finish that can be used to re-level, renovate, resurface and create decorative patterns and designs, with or without integral coloring. When properly sealed, the new finish will resist gas, oils, water, salts, freeze thaw cycles and ultraviolet rays.

Remember, having a clear understanding of the fundamentals behind coatings, how they bond to a substrate, and the importance of understanding substrate conditions will prepare you for long term success with Super-Krete products.

Following are the steps required to perform a basic concrete resurfacing or repair installation. This basic repair system is used anywhere there is concrete that needs restoration or repair including but not limited to sidewalks, driveways, walkways, curb & gutter, parking lots bridge decks and airport runways.

### **SURFACE PREPARATION**

The surface to be coated shall be clean, free of all coatings and contaminants and of sufficient porosity to allow the penetration of the products in order to create a co-adhesive bond with the concrete. New concrete shall be allowed to cure for 28 days. Refer to the **Super-Krete Products Surface Preparation Guide** for detailed instruction on properly preparing concrete substrates to receive coatings.

### **CRACK TREATMENT**

Please refer to the **Super-Krete Products Crack Repair Guide**.

### **CONCRETE RESURFACING**

This method can be used to produce either a subsurface moisture barrier or a wearing surface. The objective is to fill all minor pop-outs, variations and cracks with as thin a coat as possible (typical is 1/16" per 2 coats). A three man crew performing a squeegee application should complete 20,000 to 30,000 square feet of open area per day. Rougher areas will require additional time.

Surface to be coated shall be kept damp with clean water at all times during application of material.

1. Dampen the surface, not allowing water to puddle.

2. Prepare a S-9300 Bond-Kote® mixture by adding desired amount of water to one bag to achieve a flowable, pourable mixture. Mix material well with a jiffy mixer. The actual amount of water needed will vary depending on outside factors such as weather conditions. Warmer temperatures may require more water.
3. Fill spalls and holes with a dry slump S-9300 Bond-Kote mixture, feathering the edges with a trowel and water. Allow the patches to dry. Then, mist the entire surface with water, not allowing it to puddle.
4. Pour S-9300 Bond-Kote mixture onto the surface. Apply S-9300 Bond-Kote at an approximate rate of 300 square feet per bag with a squeegee. Two applications are required.
5. Apply the second coat of S-9300 Bond-Kote with a squeegee and follow the squeegee application with a soft bristled broom at a rate of 300 square feet per bag, to create a broom finish. Additional coats may be required to achieve the desired finish. Sanding may also be required if ridges are present on the surface to smooth them.
6. After applying the final coat of S-9300 Bond-Kote always wait 24 hours before applying any other coatings or sealers.

## **PROTECTIVE SEALING**

All Super-Krete surfaces must be sealed for protection, ease of maintenance and wearability. A minimum of two coats of sealer are recommended. Refer to the ***Super-Krete Products Sealer Selection Guide*** to determine the appropriate sealer for your project. Refer to the Technical Data Sheet of the selected sealer for proper installation instructions.