



# Vanberg Specialized Coatings

Con-Korite SSL

## Product Information Data Sheet

### DESCRIPTION:

**Con-Korite SSL** is a fast-setting, extra abrasion resistant, high-strength, leveling and low-shrink mortar. It can be used as an interior/exterior patching material or to level concrete surfaces. It can also be used for floor overlays. When mixed with KB25 ACRYLIC RESIN, it produces a repair with very good resistance to wear and compounds containing corrosive compounds.

### RECOMMENDED USAGE:

Overlay and level eroded concrete surfaces. Ideal for all applications where quick, high strength is required.

INDUSTRIAL	AGRICULTURAL
Plant Floors	Feed Bunks/Mangers
Parking Ramps	Floors/Walls
Roadways	Gutters/Troughs
Walkways	Walkways
Concrete Tanks	Parlor Floors

### PACKAGING:

#### Kit

KB0040	CON-KORITE SSL	50 lbs. (22.7 kg) pail (24/pallet) Includes 1 gal. (3.8 L) KB25 & 44 lbs. (20.0 kg) mortar
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#### Components

KB0041	CON-KORITE SSL	44 lb. (20.0 kg) bag (56/pallet)
KB0026	KB25 ACRYLIC RESIN	1 gal. (3.8 L)
KB0027	KB25 ACRYLIC RESIN	5 gal. (19.0 L)

### FEATURES:

- Fast setting - Ready for use within 2 - 3 hours at 70°F (21°C)
- Water, Salt & Sulfate tolerant - Withstands tough conditions
- Exceptional abrasion resistance - Stands up to heavy traffic
- Interior/Exterior use – Tolerates all weather conditions
- Non-shrink - Minimizes risk of delamination, improves bond
- High strength – 3 to 5 times stronger than other products

TYPICAL TEST DATA @ 70°F (21°C) AND 50% R.H.	
Compressive Strength, psi (ASTM C 109)	
CON-KORITE SSL (44 lbs./20.0 kg)	(4 quarts/3.8 L KB25 Resin)
3 hours	1,500
7 days	3,000
28 days	4,500+
Yield, Cu. Ft. (44 lbs./20.0 kg bag)	0.36
:	
Time of Set ASTM C 191 :	2 hours

### COVERAGE:

18 sq. ft. (1.7 m<sup>2</sup>) at 1/4" (6.35 mm) per 44 lb. (18.2 kg) batch

Use KB25 ACRYLIC RESIN as the sole admixture. It provides for **Additional Resistance to liquids absorption** into the cured mortar, improved **Flexural Strength Properties** and for added **Bonding Strength**.

### KB 25 RESIN USE (TYPICAL):

<b>As a bonding agent or primer:</b>	200 to 300 sq. ft./gal. (4.91-7.36 m <sup>2</sup> /L) per (1 part KB25 to 2 parts water)
<b>As an admixture with CON-KORITE SSL:</b>	1 gal. (3.8 L) per 44 lbs. (20.0 kg) mortar
In general, substitute 1/3 to 1/2 of the water requirement with KB25.	

**BASIC MIX RATIO** 1 gal. (3.8 L) KB25 Acrylic Resin to 44 lbs. (20.0 kg) mortar to obtain a flow-able mix. Add a small amount of water to obtain maintain the desired mix.

**50 LB MIX:** 4 quarts (3.8 L) KB25 Acrylic Resin to 44 lbs. (20.0 kg) mortar.

### DIRECTIONS FOR USE:

**NOTE:** best to apply at ambient temperatures ranging from 60°F (16°C) to 75°F (24°C). Do not use KB25 resin if temperature is below 45°F (7°C). Colder temperatures will delay set time. Higher temperatures will hasten set time. Concrete temperatures must be 45°F (7°C) or better.

### SURFACE PREPARATION:

Remove all unsound concrete and mineral deposits. Squaring the edges makes for a uniform patch. Remove any oil and/or grease with Deep Kleen. Clean and etch the surface using VSC Concrete Clean & Etch or muriatic acid (purchased locally). 1 part acid to 2 parts water. **Rinse thoroughly.** Concrete surfaces should be at or near saturation at time of placement. Remove standing water.

### PRIME:

A surface saturated with water is typical for most projects (no standing water). For better bonding, prime the surface with a solution of KB25 Acrylic Resin and water. Straight KB25 Resin provides the best bond and is recommended for thin repairs. If the concrete surface appears to be drying, remoisten. The surface needs to be kept moistened. **DO NOT LET KB25 PRIMER DRY.**

### MIXING:

For best mixing results, moisten equipment with water prior to use.

### MIX EQUIPMENT:

Use 4" (101.6 mm) prop mixer and 1/2" (12.7 mm) variable speed drill (or pail mixer with Con-Korite mortar blade). Mix in clean 5 gal. (19.0 L) pail. Thorough mixing is required. Mix 2-3 minutes, or until uniform.

### SMALL BATCHES:

Liquid Portion: 1 quart (0.9 L) of KB25 Acrylic Resin.

Solids Portion: 10 lbs. (4.5 kg) of Con-Korite SSL mortar is added to the liquids.

### LARGE BATCHES:

Increase the batch sizes proportionally. Mix only as much material as can be placed within the working time.

50 lbs. (22.7 kg) Batch: Use 4 quarts KB25 Acrylic Resin for 44 lbs. (20.0 kg) of mortar.

**PLACEMENT:**

Pour the entire mixed contents over a saturated or primed surface. Spread the mortar evenly using a notched trowel or gauge rake at the desired thickness. Immediately roll over the surface with a spiked roller to release entrained air. Lightly tossing VSC Medium sand will also release air and create a uniform slight non-slip surface. For a coarser surface, use ES Natural Aggregate. If Con-Korite SSL becomes stiff in the container, DO NOT RE-WATER. DISCARD. Rinse the mixing container after each batch to keep clean.

**CURING:**

During warm, dry conditions (typically outside) Con-Korite SSL should be 'wet cured' by lightly misting the surface with water for approximately 30 minutes to one hour after the mortar reaches initial set and is no longer wet looking (about 2 hours). This will prevent stress cracks. *Note: Wet curing will always produce the hardest and densest cured material.*

**TOP COATING OR SEALING:**

Epo-Seal WB Fast Epoxy can be applied to Con-Korite SSL immediately after initial set (appears lighter in color, sound and without surface residue; remove residue if present). Apply at approximately 250 - 300 sq. ft. per gallon (6.14-7.36 m<sup>2</sup>/L). **NOTE:** If Con-Korite SSL will be coated with Armorcoat, create a gritty surface by imbedding sand into the surface. If applying later the surface must be properly prepared by chemical or mechanical means to create a profile.

**CLEAN UP:**

Use water (hot water works best).

**SHELF LIFE:**

One-year in original, unopened, sealed container. Con-Korite SSL mortar must be kept dry when stored. Do not expose to wet conditions or to humid air for extended time periods.

**CAUTION:**

Irritating to eyes and skin. Contains Dioxide, Pure Cement and Calcium Hydroxide. Your skin may be sensitive to cement. Wearing rubber gloves is recommended. Avoid contact with eyes or prolonged contact with skin. In case of contact with skin, wash thoroughly with soap and water. For eyes, flush with clean water for at least 15 minutes and get prompt medical attention.

**MAINTENANCE:**

For optimal floor appearance and performance following installation, refer to VSC's Floor Maintenance Instructions.

**CUSTOMER NOTE:**

For information on application situations not covered above contact your VSC representative.

**KEEP AWAY FROM CHILDREN.****DISPOSAL:**

Empty containers may contain product residue, including flammable or combustible vapors. Do not cut, puncture or weld near these containers. Label warnings must be observed until containers have been commercially cleaned or reconditioned. Containers to be thrown out must be disposed of in accordance with federal, state and local regulations. Use only licensed hazardous waste disposal companies if required.

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**WARRANTY STATEMENT**

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Data Sheets/Con-Korite SSL