

Vanberg Specialized Coatings

Con-Korite X'tra Data Sheet



PROFESSIONAL COATINGS

PRODUCT DESCRIPTION:

CON-KORITE X'TRA is a fast-setting, extra abrasion resistant, high-strength 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 and grouting. When mixed with water, it produces a uniform, trowelable mortar. When mixed with KB25 ACRYLIC RESIN, it produces a repair with very good resistance to water and compounds containing corrosive compounds. No vertical or horizontal forms are required for most applications. Non-shrink formula.

APPLICATIONS:

Patch or overlay eroded concrete surfaces. Rebuild broken concrete curbs, beams, and slats. Use as a precision grouting under columns, machine base plates, anchor bolts, and gating. Smooth porous walls. Ideal for all applications where quick, high strength is required.

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

FEATURES:

- Fast setting - Ready for use within 30 min. to 1 hour at 70° F
- 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
- Vertical/Horizontal use - Use for floors and walls, no forms

TYPICAL TEST DATA @ 70° F AND 50% R.H.	
Compressive Strength, psi (ASTM C 109)	
CON-KORITE X'TRA (55lbs.)	(4-5 quarts liquids)
1 hour	3,000
3 hours	4,500
7 days	6,000
28 days	9,000+
Yield, Cu. Ft. (55 lb. bag) :	0.50
Time of Set ASTM C 191 :	15 min.

PACKAGING:

KB0100	CON-KORITE 'PLUS	60 lb. pail (24/pallet) Includes 2 qt. KB25 & (1) SET CONTROL
KB0065	CON-KORITE CR PACK	65 lb. Box (27/pallet) Includes 1 gal KB25 & (1) SET CONTROL
KB0061	CON-KORITE X'TRA	55 lb. pail (36/pallet)
KB0060	CON-KORITE X'TRA	55 lb. bag (56/pallet)
KB0026	KB25 ACRYLIC RESIN	1 gallon
KB0027	KB25 ACRYLIC RESIN	5 gallon
KB0001	SET CONTROL	1 pouch

COVERAGE:

25 sq. ft. at 1/4" per 55 lb. unit (unextended)

37.5 sq. ft. at 1/4" per 55 lb. unit (extended with 25 lbs. sand)*

***Do not add sand where maximum strength and wear resistance are needed**

Use KB25 ACRYLIC RESIN as an admixture for **Additional Resistance to liquids absorption** into the cured mortar, improved **Flexural Strength Properties** and for added **Bonding Strength**. Replace 25% up to 100% of the water with KB25 RESIN.

KB 25 RESIN USE (TYPICAL):

As a bonding agent or primer:	200 to 300 sq. ft. per gallon (1 part KB25 to 2 parts water)
As an admixture with CON-KORITE:	For general use, mix 1 part KB25 to 2-3 parts water. For ½ in. overlays, mix 1 part KB25 to 1 part water. For edging areas and thin overlays, use straight KB25.
In general, substitute 1/3 to 1/2 of the water requirement with KB25.	

BASIC MIX RATIO 1-part liquids (water or KB25/water) to 3 to 4 parts mortar to obtain a pasty trowelable mix. Add a small amount of water or mortar to obtain the desired mix.

55 LB MIX: 4 to 5 quarts liquids (water or KB25/water) to 55 lbs mortar.

MORTAR WITH SAND EXTENDER: 1 part liquids to 3 to 4 parts mortar plus up to 2 parts sand (additional liquids may be needed to obtain the proper mix). See sand guide.

SET CONTROL:

In warm weather, or to extend working time, use SET CONTROL (#KB0001 - one pouch) at the rate of one pouch per 55 lbs. mortar. The working time will be extended approximately 20 minutes.

DIRECTIONS FOR USE:

NOTE: BEST TO APPLY AT AMBIENT TEMPERATURES RANGING FROM 60°F TO 75°F. DO NOT USE KB25 RESIN IF TEMPERATURE IS BELOW 45°F. COLDER TEMPERATURES WILL DELAY SET TIME. HIGHER TEMPERATURES WILL HASTEN SET TIME. CONCRETE TEMPERATURES MUST BE 45°F 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. 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.

IMPORTANT! CON-KORITE X'TRA IS A "FAST SYSTEM". START WITH SMALL BATCHES!

MIX EQUIPMENT:

Use 4" PROP MIXER AND 1/2" VARIABLE SPEED DRILL (OR PAIL MIXER WITH MORTAR BLADE). Mix in clean 5-gallon pail. Thorough mixing is required. Mix 2-3 minutes, or until uniform and pasty.

SMALL BATCHES

LIQUID PORTION: 1 qt. of liquids.

SOLIDS PORTION: 3 to 4 Quarts of CON-KORITE X'TRA mortar are added to the liquids. Add a slight amount of mortar or liquids if necessary to make a uniform pasty, trowelable mix. **Do not over water.**

MORTAR & SAND PORTION (if used see guide):

Use 3 - 4 quarts mortar and up to 2 quarts sand to 1 quart liquids (additional liquids may be needed to obtain the proper mix).

SAND USE GUIDE:

Grouts (over 1"): Mix one part mortar to one part small pea gravel or coarse sand.

Overlays (1/2 to 1"): Mix two parts mortar to one part medium sand (play sand or mortar sand).

LARGE BATCHES-

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

55 LB BATCH: Use 4 - 5 quarts liquids for 55 lbs. of mortar

SET CONTROL (warm weather, over 65° F) can be used at the rate of 1 pouch (up to 3) per 55 lbs. of mortar. Add to liquid portion.

Using KB25 ACRYLIC RESIN with CON-KORITE XTRA

For resistance to moisture and chemical compound absorption and maximum bond strength – Use straight KB25 as the additive. A small amount of water can be added to obtain the desired consistency. If SET CONTROL is used, add to the liquids portion.

For Added Bond and Flexural Strength – Use a mixture of KB25 and Water as noted below as the additive. If SET CONTROL is used, add to the liquids portion.

Light Duty Repairs: 1 part KB25 and 2 parts water
Medium Duty Repairs: 1 part KB25 and 1 part water
Heavy Duty Repairs or Thin Patches: Straight KB25

Note: If numerous batches will be made, make a batch of liquids first. For a 1 to 1 mix, mix 2-gallons of KB25 and 2-gallons of Water in a clean 5-gallon pail. Add SET CONTROL if used. The liquids can be used as the admixture or as a primer.

PLACEMENT:

Trowel-apply over a surface saturated or primed substrate. Use float trowel to apply, allow mortar to set until it starts to become firm (approximately 3 to 10 minutes) before finishing. It is best to empty entire contents of mixing pail shortly after mixing. If CON-KORITE X'TRA becomes stiff in the container, DO NOT RE-WATER. DISCARD. Rinse the mixing container after each batch to keep clean.

For Textured Surface

Use notched trowel or cement broom.

For Smooth Surface

Use smooth, clean finishing trowel.

Sanding the edges soon after initial hard set has been achieved provides for a smooth patch and a smooth transition to surrounding concrete.

CURING:

During warm, dry conditions (typically outside) CON-KORITE X'TRA 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. This will prevent stress cracks. *Note: Wet curing will always produce the hardest and most dense cured material.*

TOP COATING OR SEALING:

EPO-SEAL WB FAST EPOXY can be applied to CON-KORITE X'TRA immediately after initial set (appears lighter in color, sound and without surface residue; remove residue if present). Apply at approximately 200 – 250 sq. ft. per gallon. **NOTE:** If CON-KORITE X'TRA will be coated with epoxy (ARMOR-ROCK) create a gritty surface by imbedding sand into the surface. Applying later the surface must be properly prepared by chemical or mechanical means or a gritty surface profile created.

CLEAN UP:

Use water

APPLICATIONS:

Floor, Pavement, and Wall Repairs: Patch and level from a 4" depth to featheredge. KB25 RESIN is recommended as a primer for maximum bond for thin patches and overlays. Use KB25 as an admixture for added chemical resistance. The use of KB25 RESIN or EPO-SEAL WB EPOXY as a top sealer provides added wear, moisture and chemical resistance.

SHELF LIFE:

ONE-YEAR IN ORIGINAL, UNOPENED, SEALED CONTAINER. CON-KORITE X'TRA 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.

KEEP AWAY FROM CHILDREN**WARRANTY STATEMENT**

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2013
Data Sheets/Con-Korite X'tra (AG)