



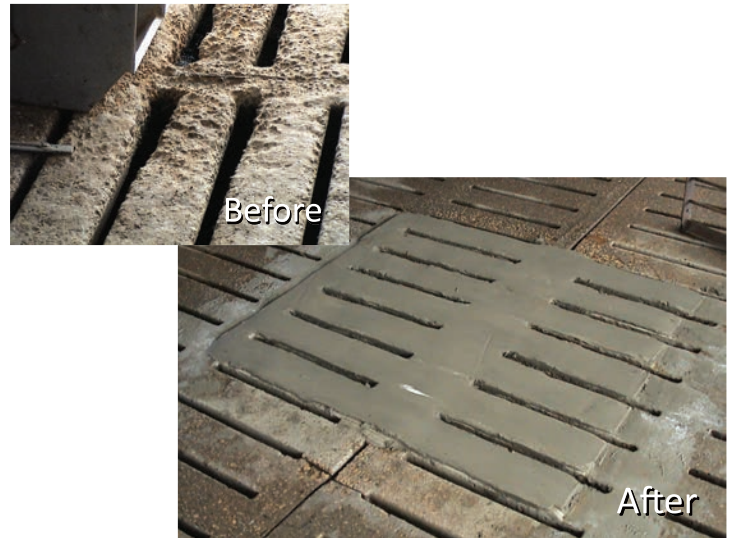
Con-Korite Xtra

Use Guide for Pork Production

Con-Korite Xtra's dense, abrasion resistant properties are ideal for making cost-effective repairs in livestock facilities. Pure Cement Technology allows Con-Korite to cure rapidly without shrinking – providing resilience that common repair mortars don't possess.

Pure Cement Technology outperforms average Portland based mortars...

- Sets in 30 minutes – Zero Downtime
- Abrasion Resistant – Stands up to Heavy Livestock Traffic
- Non-Shrink – Forms a Tenacious Bond
- Moisture Tolerant – Excellent for Wet Environments
- Resists Freeze Thaw – No Delamination
- Easy to Use – Mix with Water or KB25 and Apply



REPAIR DIAGNOSIS

Slat & Pad Repairs

Breakouts & Eroded Edges

Severe damage that requires rebuilding



Trough Repairs

Extreme Wear 1/4" (6.4 mm) up to 1/2" (12.7 mm) or more severely damaged, exposed stone, deep pitting



Pen Floor & Pad Repairs

Moderate Wear 1/4" (6.4 mm) to 1/2" (12.7 mm) Very rough with exposed stone

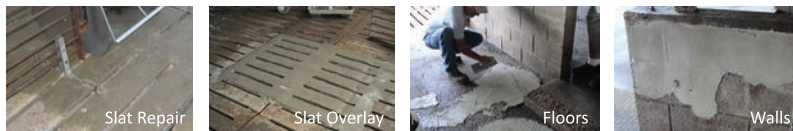


Extreme Wear Severely damaged, exposed stone, deep pitting



COMMON USES

KB25 ACRYLIC RESIN



Con-Korite Xtra is mixed with water and for added resistance to liquid absorption and improved bond KB25 Acrylic Resin is combined with water prior to mixing mortar. **Each 55 lbs. (24.9 kg) bag requires 1-1.25 gal. (3.8-4.7 L) mixing liquids.**



Typical Coverage

25 sq. ft. (2.3 m²) @ 1/4" (6.4 mm) per 55 lbs. (25 kg) mortar

Mixing Liquid Options

Standard Repairs

1 part KB25 to 2 parts water
(1 gal/3.8 L for 3 bags mortar)

Grout & Fill Holes (over 1"/25.4 mm): Water only

Set Control:

Extends working time during warm weather. Use 1 pouch per gal (3.8 L) of mixing liquids

Edging & Thin Repairs
Straight KB25 (1 gal/3.8 L for 1 bag mortar)

SETTING UP A WORK STATION

- Step 1** Select an area that is clean and dry to establish a work station. This area should have access to 110V single phase power and water.
- Step 2** Place large pieces of cardboard over the area or a tarp (TS1012T 10'x12'/3.0 m x3.7 m).
- Step 3** Bring in all supplies and tools to organize for the application, Insure access to water.



SURFACE PREPARATION

Application Temperature

Ensure that concrete substrate temperature is at 50°F (10°C) or higher and for optimum results ambient air temperature should fall between 60°F (16°C) and 90°F (32°C).

Prepare Your Surface Accordingly

Concrete is a porous substrate. It becomes even more porous with age and wear. Oils, fats and chemicals from animal and feed wastes become absorbed into the substrate. High-pressure washing removes surface contaminants, but does not do a good job on those embedded in deep pores and pits.

It is strongly advised to always use protective eye (#TSDPG52 safety glasses) and skin wear (TS5000G rubber gloves) when using the following products and procedures.

Prepare Surface with Concrete Clean & Etch

- Step 1** In a plastic container, add 1 gal. (3.8 L) of Clean & Etch to 1 gal. (3.8 L) of water (1:1) to etch up to 150 sq. ft. (13.9 m²). For new concrete use straight Clean & Etch.



Step 2

Use a plastic sprinkler can to uniformly apply the acid mixture to the surface.



Step 3

Use a stiff broom to scrub the surface. Allow the acid to work for 5-10 minutes. Wait until fizzy/bubbly reaction ends.



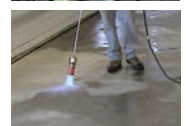
Step 4

Thoroughly rinse the area with water. If plenty of water is used, neutralizing the acid residue on the surface should not be necessary. If neutralizing sprinkle a solution of 2 fl. oz. (0.1 L) Deep Klean and 1 gallon (3.8 L) of water over the treated area and then do the final water rinse.



Step 5

Use a leaf blower or wet/dry vacuum to remove any standing water. Allow the surface to dry completely. Use a weed burner (torch) to hasten the dry time following vacuum.



PRIOR TO REPAIR & OVERLAY APPLICATIONS

Con-Korite is applied to a damp (surface saturated) or near dry substrate. This may be done after proper preparation, however no standing water should be present at the time of application.

Aggregate Use Guide

Aggregate may be used to extend Con-Korite for grouting.

Grout – 1" (25.4 mm) and up: pea gravel or small rock (1 part Con-Korite to 1 part aggregate). Large rock can be used for deep hole filling. **Typical Coverage: 1 cu. ft. mixed 1:1 with gravel for grouting and holes.**



Priming the Surface (recommended)

For enhanced bonding properties prime the repair surface with a solution of KB25 and water or straight KB25. This option is highly recommended for best bond and longevity of the repair or overlay.

SMALL BATCH MIXING GUIDE

Step 1

Liquids Portion

All mixing liquids must be blended before being combined with Con-Korite Xtra. When creating multiple batches it is advised to pre-blend an appropriate amount of mixing liquids for several batches prior to combining with mortar portion.

Use 1 qt. (0.9 L) of mixing liquids: Water, KB25 Acrylic Resin or a solution of KB25 and water (pre-blended).



Measure KB25



Measure and add water

Use the following to determine mixing liquid ratios:

Standard Repairs: 1 part KB25 to 2 parts water
Edging & Thin Repairs: Straight KB25
Grout & Fill Holes (over 2"/50.8 mm): Water only

Step 2

Mortar Portion

Option 1

Use 3-4 qts. (2.8-3.8 L) of Con-Korite Xtra: The mortar is measured and added to the liquids.

Option 2: Extended for Grouting or Filling Holes

Use 2-3 qts. (1.9-2.8 L) Mortar and 2 qts. (1.9 L) Pea Gravel or Small Rock (One can use water only for extend batches)



Add mortar to liquids

Use the following to determine aggregate use:

Grout – 1" (25.4 mm) and up: 1 part Con-Korite to 1 part Pea Gravel
Overlays – 1/4" (6.4 mm) up to 1/2" (12.7 mm): Straight Con-Korite Xtra

Step 3

Combine Portions

Mix Thoroughly: Use a 1/2" (12.7 mm) variable speed drill with a 4" (101.6 mm) Prop Mixer (#TS46565) attached. Add a small amount of mortar or liquids when necessary to make a uniform, pasty, trowelable mix. Be careful not to over water the mixture.



Trowelable blend

LARGE BATCH MIXING GUIDE

Step 1 Liquids Portion

Typical mix: 1 gal./3.8 L KB25 + 2 gal./7.6 L water = 3 gal./11.4 L mix liquids
All mixing liquids must be blended before being combined with Con-Korite Xtra. When creating multiple batches it is advised to pre-blend an appropriate amount of mixing liquids for several batches prior to combining with mortar portion.

Use 2-3 qts. (1.9-2.8 L) (of mixing liquids: Water, KB25 or a solution of KB25 and water is pre-blended (add Set Control when required, use 1 pouch per gallon of mixing liquids). **Follow the chart above in Step 1 of the Small Batch Mixing Guide for KB25 water ratios.**



Measure KB25



Measure water

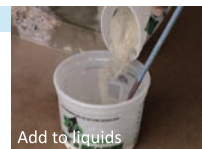
Step 2 Mortar Portion

Option 1:

Use 25 lbs. (11.3 kg) of Con-Korite Xtra: The mortar is added to the liquids (about 1/2 gal. / 1.9 L).

Option 2: Extended

Use 12-13 lbs. (5.4-5.9 kg) Mortar and 12-13 lbs. (5.4 - 5.9 kg) Pea Gravel or Small Rock (One can use water only for extended batches)



Add to liquids



Add mortar to liquids

Step 3 Combine Portions

Mix Thoroughly: Use a 1/2" (12.7 mm) variable speed drill with a 4" (101.6 mm) Prop Mixer (#TS46565) attached or Pail Mixer (#TSKM5825) with Mortar Paddle (#TSKMR1).

Add small amounts of mortar or liquids if necessary to make a trowelable mix. Be careful not to over water.



Mix with Prop Mixer

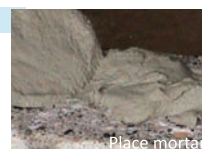


Mix with Pail Mixer

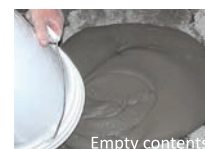
PLACEMENT & TROWEL GUIDE

Step 1 Place the Mortar

Pour the mortar over the surface saturated or primed* substrate, or place the mortar in a flat mortar tray for easy access. **Typical Coverage:** 25 sq.ft. (2.3 m²) at 1/4" (6.4 mm) per 55 lbs. (24.9 kg) thickness un-extended for heavy duty use, troughs, and edging slats. It is best to place the entire contents of the pail onto the surface being repaired shortly after mixing.* See Priming the Surface Section. **If the mortar becomes stiff in the container do not re-water, DISCARD.**



Place mortar



Empty contents

Step 2 Spread Mortar & Form Edges

Use a flat finishing or notched trowel to spread the mortar. Allow the mortar to set until it starts to become a little firm (about 5 min.) before finishing. Use two trowels to form edges on slats and pads. For forming slat edges, a mud hawk works well.

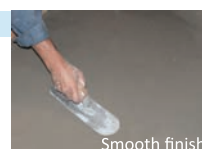


Spread mortar

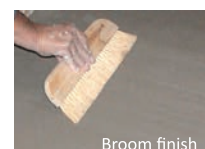
Use two trowels/
mud hawk

Step 3 Finish the Mortar

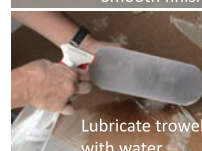
Use a finishing trowel to smooth the surface. Use flat finishing trowels for floors and slats #TSTC6C 14" (355.6 mm) x 3" (76.2 mm) or #TST1MT 8" (203.2 mm) x 3" (76.2 mm) and round ended trowels (#TSP1C 10" (254 mm) x 3" (76.2 mm) for troughs. If a broom finish is desired, lightly mist the surface with water and use a cleaned damp broom or brush to apply the textured finish. Keep trowels moistened with water during the placement and finishing process. A flat pan with water or a plastic spray bottle work well.



Smooth finish



Broom finish

Lubricate trowel
with water

▶ Use the following to determine mixing liquid ratios:

Clean Up

During & immediately following application clean up tools & supplies with water.

Other Information

Refer to the specific Product Data Sheets for Performance Properties, Working Times, and Mix Ratios.

TOP COATING AND CURING

Top Coating or Sealing:

Epo-Seal WB Fast Epoxy can be applied to Con-Korite Xtra 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 m²/L).

NOTE: If Con-Korite Xtra will be coated with epoxy (Armor-Rock) 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 gritty surface profile.

Curing:

During warm, dry conditions (typically outside) Con-Korite Xtra 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.

PACKAGING & AVAILABILITY

Kits

60 lbs. (27.2 kg) Con-Korite Plus (24/pallet) KB0100
(includes: 55 lbs. (24.9 kg) bag, Con-Korite Xtra, 2 qts. (1.9 L) KB25, 1 set control, 1 Pail - Use to Mix, Easy Storage)

10 lbs. (4.5 kg) Con-Korite Plus Kit KB0100-10
(includes: 10 lbs. (4.5 kg) pail, Con-Korite Xtra, 24 oz. KB25 blend)

KB25 Acrylic Resin

1 gal. (3.8 L) jug KB25 (4/case) KB0026
5 gal. (18.9 L) pail KB25 (24/pallet) KB0027

VSC Set Control

1 pouch VSC Set Control (12/box) KB0001

Bags and Pails

55 lbs. (24.9 kg) Con-Korite Xtra Bag (56/pallet) KB0060

3,000 lb. (1360.8 kg) Con-Korite Bulk Pack KB0060B

55 lbs. (24.9 kg) Con-Korite Xtra (24/pallet) KB0061
(Includes: 55 lb. (24.9 kg) bag Con-Korite Xtra, 1 Pail - Use to Mix, Easy Storage)

Cleaning Agents (Preparation)

1 gal. (3.8 L) Concrete Clean & Etch* (4/case) VP-151-1
5 gal. (18.9 L) Concrete Clean & Etch* (pail) VP-151-5
10 lbs. (4.5 kg) Crystal Etch VPC-1578
*Concrete Clean & Etch Cannot be Shipped via UPS

TOOLS AND SUPPLIES



10'x12' Poly Tarp
(Blue) (3.0m X 3.7m)
TS1012T



4" Prop Mixer
(101.6 mm)
TS46565



Notched Trowel
TST55D



Rubber Gloves
TS5000G



5 gal. (18.9 L) Mixing Pail
(lid sold separate)
TS305
TS305L Lid



8" x 3" **TST1MT**
(203.2mm x 76.2mm)
Flat Finishing Trowel



Pail Mixer
TSKM5825



Measuring Container
2 qt. (1.9 L) **TS2QM**
5 qt. (4.7 L) **TS5QM**



14" x 3" **TSTC6C**
(355.6mm x 76.2mm)
Flat Finishing Trowel

For additional technical product info, or application assistance, contact us by phone, or visit our website



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