

Wohl Coatings Inc.

APPLICATION OF WOHL CRYSTAL EPOXY SYSTEM

Used to repair driveways, patios, porches and other structures.

STEP 1 EVALUATE PRESENT CONDITION

Concrete is in good condition except for cracked and depressed areas and some areas of excessive spalling. An excellent application for WOHL Crystal Epoxy System.

Picture 1 Large deep cracks on upper two slabs. Crack closest to sidewalk has considerable height difference across the crack and is a trip hazard. Picture 2 Large cracks in both left and right slabs. The expansion joint material has completely worn out and has no longer kept water from entering and removing fill support from the underside of the concrete. The concrete cracked and is now firmly resting at the lower fill level. In both pictures the general surface has been eroded and spalled due to repeated freeze and thaw conditions and salt damage.

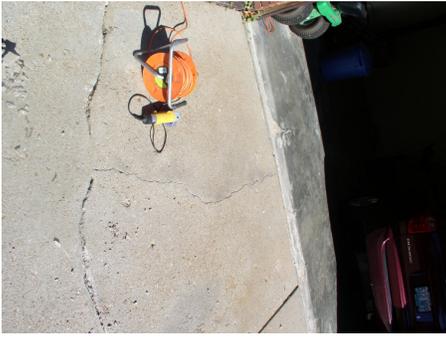


STEP 2 Clean the surface deep into the cracks and expansion joints.

Using high pressure water blast the cracks are carefully cleaned. Actually done twice (first to just clean surface and cracks and then after grinding cracks etc.) We then us grinders and cutters to further clean the damage areas and prepare the surface for repair.



Cracks prepared by grinding and power washing.



STEP 3 APPLICATION OF ShurBond 550 Epoxy Adhesive and ShurBond 100 Polymer Concrete to repair the surface. Rebuild expansion joints using high quality PolyUrethane Sealant.

The first picture on the left shows how the cracked slab in the picture above was repaired and brought up to level using ShurBond 550 Epoxy Adhesive and ShurBond 100 Polymer Concrete. Picture on the right also shows a severely spalled area and a crack repair. A build coat of ShurBond 100 Polymer Concrete was trowel applied over the badly etched area which was primed with ShurBond 550. The expansion joints have all been repaired.



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In this case we are showing a small porch with the Crystal Epoxy System.

The first picture is of a crack repair with a clear Crystal Epoxy System being applied. The same procedure is used over the entire surface to achieve the best possible bond to the existing concrete while sealing the concrete surface from further water penetration and provides an excellent base for the Color Stain

STEP 1 In this case the crack was repaired with polyurethane caulk and allowed to cure.



STEP 2. ShurBond 550 liquid was applied to the entire surface and while wet crystal sand was broadcast to rejection and the system allowed to cure and then the excess crystal is removed.



The final step is to apply the WOHL Concrete Color Stain to the surface.



The after the result upon completion. The surface is repaired and sealed and the finished product is easy to clean and is non-slip when wet or dry. The same process us used on a driveway, sidewalk, patio or porch with the same results.

Finished Driveways.



The result is a driveway that is repaired and sealed from further above or below attack by water and salt. Note that we also advise the customer about drainage so that rain water is conducted away from the slab where it might undercut the concrete. Various finish colors can be selected from medium gray to tan to light gray.