Wohl Coatings Inc.
Applied Industrial High Performance Grade Epoxy Coatings
For Repair and Provide New Chemical Resistance Suface

The best way to describe these type of application is by using an actual case history. Condition: Some 4000 square feet of concrete was severely corroded by an process that used an organic acid which etched 75% of the concrete from ¼" to 2" in depth. In other areas the existing coating had been loosened and was delaminating from the concrete. The floor was not usable by the next tenant and had to be repaired. The customer choose to repair and resurface rather than full replacement because of the lower cost and the short length of time to make the application compared to tear out and replacement of the floor.



Drain area eaten away- 2nd Drain also destroyed- General Floor area deeply etched

Repair Procedure:

Step One: Prepare the surface. The concrete surface was cleaned to be free of all oil and grease and all loose coating . The surface was power cleaned and washed with TSP solution to remove the oil and grease. In this case the old coating was sanded and ground with diamond tools to insure all loose coating was removed from the surface. The surface was again treated and power washed with TSP to further neutralize any acid.

Step Two: The cleaned surface was allowed to dry and become completely free of surface water before proceeding.

Step Three: WOHL ShurBond 500 is a 100% solids epoxy coating which can be filled with ground silica to form a trowel able grout. This grout was hand troweled into the deepest of the acid corrosion areas to bring those areas up to level grade with the non-corroded concrete. This material was allowed to cure overnight and provide a base for the color application.

Step Four: WOHL ShurBond 550 Medium Gray coating was applied over the entire 4000 sq.ft. Crystal White Silica was broadcast over the wet epoxy surface and allowed to cure overnight.

Step Five: The next day the excess crystal silica was removed and the job was complete. Total time to recover and recoat the surface was 4 working days using 2 workers. At this point the customer could have requested the application of a topcoat for easier cleaning. However the customer choose to keep the anti-slip surface because of the normally wet working area in the liquid detergent packaging line.

Step Six: 24 hours later the surface was returned to full service including fork truck traffic, pallets and installation of heavy equipment.


Application of ShurBond 550 coating to surface. Details of newly finished drain.

Finished floor.

Within 5 working days the customer was ready to move in their equipment and begin using the area. Recover your plant or warehouse floor and traffic area the fast and sure way!