



FLOOR COATING SYSTEM

In analyzing the specified systems we have chosen to utilize the BASF system for several reasons. First off, the sample that we installed seems to be holding up quite well. We have seen no major defects and minimal wear. For this reason our proposal includes all BASF products which we know are compatible. This starts by reviewing the surface area for defects and spalls. Spalls will be properly prepared making sure to remove the concrete a minimum of 2" with 3/4" saw cuts around the perimeter. All exposed rebar will be inspected for corrosion and reviewed with the engineer. If new rebar is necessary it will be spliced in in accordance with the specifications. All exposed bar shall be coated with zincrich rebar primer that has cure times of 20 minutes to one hour. *All spalls will be repaired with BASF 10 61.* The reason for this is we do not want to jump around completing patching with ready mixed material and have to wait for 30 days for it to cure prior to coating. Any identified bug holes will be repaired using EP 35 mixed with sand to form a grout. Next, the cracks 1/16" and greater, as determined by the engineer, will be routed out with a v-blade diamond grinder with a dust hood and vacuum. Upon finishing routing the cracks, all cracks will be vacuumed to remove any debris. The cracks will then be injected with Concreasive 100% solids epoxy. Terrazzo & Concrete Restoration is the most experienced epoxy injection contractor in the area with over 1,000,000 lineal feet successfully completed. The floor will then be properly prepared utilizing the Prep Master machine with abrasive diamonds. Using a 44" grinder will eliminate the potential for shot from a shot blaster to escape and possibly hurt your employees or damage your equipment stored in this area. Just prior to installing the EP 35, the area will be wiped with xylene to break

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down and remove any residual contaminants. We will then install EP 35 in the TC-1 area at 16 mils with a broadcast of sand to saturation with cure times of 2-4 hours depending on temperature. Selection of the sand will be at your discretion as there are several grits to choose from. This will be followed by a top coat of Conipur 275 at a rate of 20 mils giving us a total of 36 mils as specified. Conipur 275 will discolor if exposed to UV light. The TC-2 area will have the same system with one additional coat of Conipur 265 on top of the EP 35 at a rate of 20 mils giving us a total of 56 mils with a cure time of 3-4 hours, greater than the specifications. The SL-1 and SL-2 areas will be properly prepared utilizing a combination of prep methods. First they will be degreased using an industrial degreaser. They will then be mechanically prepared with a combination of water blasting, abrasive blasting, and grinding to open the surface allowing the sealers to properly penetrate. The combination of preparation methods in these areas are necessary due to the amount of equipment, pits, electrical panels, and lifts in this area. The material in the SL-1 Area will be BASF lapidolith and will be installed in 2 coats at a rate of approximately 100 square feet per gallon. Cure time does not apply to this product as it penetrates and chemically changes the surface of the concrete. The reaction times vary and can continue to react for a long period of time. We would like to see a couple of hours after installation before this area is put back in service. The material in the SL-2 area will be BASF Hydrozo 100 installed at a rate of 250-400 square feet per gallon depending on the porosity and typical dry time is 4 hours at 70 degrees with 50% humidity. Lastly, all of the areas will be striped and stenciled using Sherwin Williams Industrial Enamel at a minimum rate of 4.5 mils with coverage of 175-350 square feet per gallon. There is wide range of colors including safety color to choose from. There is not a standard color chart for the Conipur products. The colors are gray, charcoal, and black which are on the data sheet. The sealers are clear and do not have any color. It is recommended that all spills are cleaned as soon as possible as staining can result from long term exposure. Please see material data sheets for more information regarding chemical resistance. All data sheet and MSDS sheets are attached and are organized in order of installation.

We look forward to working with you!

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