

APPLICATION INSTRUCTIONS

Cem-Dye (S)

SURFACE PREPARATION

Prepare the concrete by acid etching or diamond grinding. Etching must be done using a floor machine with a nylogrit brush. Use a 3-1 solution of water and muriatic acid. Follow the guidelines listed in the APF Surface Preparation information. Etched concrete must have a profile similar to 120 grit sandpaper. Do not let the etching solution dry on the concrete. Neutralize with a solution of ammonia and water or use APF Super Base Neutralizer. Neutralizing and rinsing are very important. **Acid residues left on the concrete will interfere with proper bonding of the sealer.**

If diamond grinding is done for surface preparation, it must be done thoroughly to open up the concrete. Prepared concrete must have a profile similar to 120 grit sandpaper.

APPLICATION OF CEM-DYE (S)

Cem-Dye(S) is normally applied at 200-300 sq. ft. per gallon and may be sprayed using low pressure solvent resistant sprayer, HVLP or air brush. When using a low pressure sprayer always spray in a circular motion to avoid lap lines. The use of water will produce a floor with more variations in tone, while the use of Acetone will produce a more monotone finish. A brush can be used for small areas. When brushing, it is best to use water as the solvent. Allow the concrete to completely dry prior to sealing, 2-4 hours if you are using acetone as your carrier and 24 hours for water as your carrier.

APPLICATION OF SEALERS

Your sealer selection will be dictated by the job requirements. Special care must be taken when using water based sealers or coatings. Your first coat should be applied with a low pressure or airless sprayer. Rolling solvent based sealers or coatings over Cem-Dye (S) will cause some color pick up, due to its solubility in solvent. After the first coat has cured subsequent coats may be applied with a roller.