

# CEM-REZ

## HT Texture



### APPLICATION INSTRUCTIONS: CEM-REZ HT TEXTURE

#### MOISTURE VAPOR EMISSION TESTING

All interior concrete floors are subject to possible moisture vapor emission and/or excessive alkalinity that could ultimately cause coating failure. Prior to application, calcium chloride moisture testing should be conducted according to ASTM 1869-04.

#### SURFACE PREPARATION

Surface must be clean, dry and profiled prior to installation of primer. Acceptable methods for preparation are shot blasting, diamond grinding or acid etching. If acid etching, follow APF written instructions. Concrete must have a minimum 5-10 mil profile.

#### APPLICATION OF PRIMER

Apply AP 2300 polymer to the prepared concrete at a rate of 250-300 sq. ft. per gallon. This application should be done with a low pressure pump-up sprayer. Spray AP 2300 liberally onto the substrate and then use a broom or deck brush to work out any puddles. **It is very important to not leave any puddles.** As soon as the primer is dry enough to walk on, you may begin installation of the overlay. **Overlay must be installed within 8 hours of the primer.**

#### APPLICATION OF CEM-REZ HT

Mix 5-5.5 quarts of AP 2300 with one bag of Cem-Rez HT. Once the material is mixed, immediately pour  $\frac{1}{4}$  -  $\frac{1}{2}$  of mix out in a ribbon across the area you will be working. It is recommended you use the control joints in the concrete as stopping and starting points. This will make the application much more manageable.

Immediately begin spreading the material in a thin, even layer about  $\frac{1}{8}$ th inch thick. This can be done with gauge rake. The material can be spread with a hand trowel, which will produce a more textured finished floor. As soon as a small section of the material has been spread out, it should be troweled immediately to remove any lines left by the gauge rake.

After the material has set about 10-30 minutes, it should be troweled a second time. The surface will have a dull appearance when it is ready for a second trowel. The second trowel should be done by using spiked knee boards or spiked shoes to get out onto the wet material. It is very important to make sure you trowel out any marks left by the spikes. If a very tight finish is desired, it may be necessary to trowel the surface another time. If a smoother burnished look is desired, the overlay may be sanded with 120-grit sanding screen after curing 8-12 hours.

#### DETAILING & COLORING

Once the Cem-Rez HT has cured overnight, use a diamond blade to re-open all control joints in the concrete. Failure to honor these moving joints can result in system failure. Prior to coloring, remove all dust and debris. This system may be colored using several different products and methods, including APF Color Fuse, Acid Stain and Cem-Dye (interior only). Contact your local APF representative to discuss your coloring options in detail. If you are using fiber tape or a stencil, it is recommended you pull them up prior to coloring. After coloring is complete, Cem-Seal pigmented may be used to color in the grout lines.

#### APPLICATION OF FINISH COAT

Once all the coloring is complete and the overlay is dry, you may apply your favorite APF sealer system. If you are unsure which sealer system is right for you, contact one of our technical representatives.