

# CEM-REZ

## Stone Texture



### APPLICATION INSTRUCTIONS: CEM-REZ STONE 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 a 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 BASE COAT / SCRATCH COAT

Mix two gallons of AP 2300 with one bag of Cem-Rez T or R. 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 in. 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 1/16 inch thick. This can be done with a seal-coat squeegee, magic trowel or hand trowel. Special care should be taken to avoid leaving excess material in the control joint because it will only need to be removed at a later point. It is important to never spread out all of the material you have on the floor. You want to keep a mound or pool of wet material and add new material on top of your existing mound. This will eliminate any visible tie-in marks. Failure to use this technique will result in a visible tie-in mark and possible high spots that will have to be removed once the material has cured.

Once your base coat is cured enough to walk on (typically 1-6 hours, depending on curing conditions), do your detail work. This includes removing any high spots and ridges with a coarse rubbing stone and cleaning out all control joints of excess material. This can be done using a trowel turned on its corner while the material is still soft. If the material cures hard, it will be necessary to use a grinder to remove excess material from the joint.

#### APPLICATION OF TEXTURE COAT

Prior to installing the texture coat, make sure the bond/scratch coat is completely free from dust and debris. If you are going to install a faux flagstone, slate or tile pattern, the base/scratch coat must cure a minimum of 8 hours prior to tapping out your design or applying any stencils. Mix 1.5 – 1.75 gallons of AP 2300 polymer with one bag of Cem-Rez T. 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 on. It is recommended that you use the control joints in the concrete as stopping and starting points. This will make the application much more manageable.

Using a pole trowel, immediately spread the material in an even, thin layer about 1/16th to 1/8th of an inch thick. Once you have spread out a small section, it must be retroweled using a figure eight motion to create a skip-trowled appearance. More advanced troweling techniques may be learned by attending an APF training seminar. It is important to never spread out all of the material you have on the floor. You want to keep a mound or pool of wet material and add new material on top of your existing mound. This will eliminate any visible tie-in marks. Failure to use this technique will result in a visible tie-in mark.

#### DETAILING & COLORING

Once the texture coat has cured overnight, remove any high spots or imperfections with a fine (white) rubbing stone. Using a diamond blade, re-open all control joints in the concrete. Failure to honor these moving joints can result in a 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 rep 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 COATS

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