

GENERAL

Armor-Rez PC 400 is a medium-build protective coating consisting of a two-component epoxy primer and two-component epoxy build topcoat. Armor-Rez PC 400 offers a high-gloss, easy-to-clean surface with good chemical and abrasion resistance. Armor-Rez PC400 is suitable for light manufacturing, warehouses, automotive service areas and laboratories.

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 preparation is vital to the long-term success of the installation. All surfaces to be coated must be clean, sound and free of mastics or other contaminants that may interfere with bonding. The concrete must be shotblasted or diamond ground to achieve a CSP 1-3. Properly prepared concrete must have a texture similar to 80-120 grit sandpaper.

Small depressions, cracks and holes should be filled with Epoxy 300 Flex Paste or Epoxy 400 thickened with fumed silica. Large holes should be filled with an epoxy mortar consisting of 4-5 parts aggregate (30 mesh silica or graded trowel sand) to 1 part Epoxy 400. This mortar must be placed directly over a primer coat of Epoxy 400 while the primer is still wet.

APPLICATION OF THE PRIMER COAT

Mix Epoxy 400 pigmented 2 parts A to 1 Part B. Blend the two parts together for 2 minutes with a low-speed drill.

Once the material is completely mixed, immediately pour it onto the floor in usable ribbons.

Using a squeegee or roller, spread the material at 200-250 square-feet-per-gallon. Once the material has been spread to the proper thickness, back roll it immediately using a 3/8th to 1/2 inch nap roller to ensure even coverage.

If a non-skid texture is desired, you may broadcast a 20-30 mesh particle into the wet coating and then back roll to ensure an even distribution. Allow the primer to cure for 8-12 hours prior to proceeding with the topcoat.

APPLICATION OF THE TOPCOAT

Mix Epoxy 400 pigmented 2 parts A to 1 Part B. Blend the two parts together for 2 minutes with a low-speed drill.

Once the material is completely mixed, immediately pour it onto the floor in usable ribbons.

Using a squeegee or roller, spread the material at 100-200 square-feet-per-gallon. Once the material has been spread to the proper thickness, back roll it immediately using a 3/8th to 1/2 inch nap roller to ensure even coverage.

It is very important to keep a wet edge when installing the pigmented topcoat. No more than 5 minutes should lapse between sections. Failure to keep a wet edge could result in a visible tie-in line.