



2100 Series ProFloor® Epoxy

The 2100 **ProFloor®** Epoxy Series is a proven industry standard concrete floor coating. It is a tough coating that can be used in manufacturing plants, warehouses, hangars, food processing plants, kitchens and garages. The main performance feature of the 2100 Series of floor epoxies are:

**Wear Resistant, Impact Resistant, Chemical Resistant, Water Resistant
100% Solids, No Odor, No VOC**






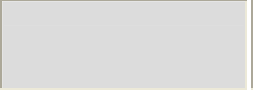
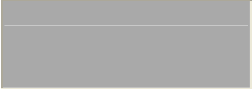
Two Hardeners are available:

- F2201 - Standard Hardener
- F2202 - Chemical Resistant Hardener

Use the **F2201 Standard Hardener** for applications that are not subject to frequent cleaning with chemicals.

Use the **F2202 Chemical Resistant Hardener** in Kitchens, Food Processing Plants, Laboratories and Animal Facilities where harsh chemicals and acids are used to clean and disinfect the floor.

2100 Series ProFloor® Epoxy Color Chart

Rust F2106			Tile Red F2116
Blue F2104			Green F2105
Tan F2107			Light Gray F2118
Med. Gray F2108		<i>ProFloor® Epoxy also comes in Clear, order number F2100</i>	

As with all Color Charts posted on the Internet; we cannot guarantee the accuracy of the colors you are viewing based on differences in Monitors, Browsers, etc.

Although not often requested in an Epoxy Floor, Custom Colors are available at an additional cost of \$3.00 and up per gallon depending on the color with a minimum order of 50 gallons. As with all custom orders, additional time may be required to produce your order. Please submit a color chip to us for accurate color matching for all custom colors. Please contact us by phone if you need guidance placing a custom order at (800) 735-4399.

New Concrete:

New concrete should be at least 30 days old, had a light steel trowel finish and have a vapor barrier under the slab. Remove any curing compounds. Repair cracks with Pro Guard's Epoxy Crack repair products.

Existing Concrete:

Remove any existing coatings using a rotary grinder (available at most Equipment Rental Stores) Vacuum dust. Repair cracks and surface defects using our Epoxy repair products. Remove oil stains using a combination of solvent wiping (**you must allow the solvent to completely evaporate**) followed by heating with a small propane torch to oxidize any remaining oil.

Surface Profile:

The surface prep method used whether rotary grinder, shot blast or sanding should produce a minimum surface profile of 4-6 mils in order to achieve adequate adhesion of the epoxy coating.

Chemical Resistance:

The 2100 Series Floor Epoxies using the **F2201 Standard Hardener** have very good resistance to commonly used floor cleaners, oils, anti freeze, hydraulic fluids and solvents. The **F2202 Chemical Resistant Hardener** expands the resistance properties to include dilute acids and corrosive compounds.

Moisture:

On grade and below grade installations are prone to moisture transmission problems. An ASTM D-4263 moisture test or the Calcium Crystal moisture absorption test should be performed prior to coating these floors.

Mixing:

The mix ratio for all 2100 Series Epoxies is two volumes Part A to one volume Part B. This ratio is the same for Standard as well as Chemical Resistant Hardeners. Mix Part A and Part B individually first then combine together and mix thoroughly using a drill mixer for 2-3 minutes. Scrape sides of container occasionally to incorporate all material. Any air being incorporated will release when applied to the floor.

Cure Conditions:

Floor and air temperature must be at least 60° F and relative humidity preferably below 85%. Floor temp must be above the dew point. The coating will substantially cure in 8-12 hours and can take light foot traffic in 24 hours.

Pot Life:

Pot life will vary from 45 min. to 1 hour at 80°F and below. The amount of material mixed at one time will also affect pot life. Larger quantity mixes build up heat faster and shorten pot life. Working time is increased when material is spread on floor where the generated heat can readily dissipate.

Recoatibility:

The 2100 Series Epoxies can be recoated within 36 hours using another epoxy or a Urethane coating. When cure has exceeded 36 hours the surface must be sanded before recoating.

Physical Properties:

Type	2 Part Epoxy
Mix Ratio	2 Part A + 1 Part B (by volume)
Weight / Gallon	8.9 lb. / gal. Clear 9.9 lb. / gal. Colors
Percent Solids	100% by volume
Flash Point	Above 200° F TCC
VOC	0 g/l
Compressive Strength	11,000 psi ASTM C-579
Tensile Strength	2,400 psi ASTM C307

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