

## PIONEER PRO GREATFLOOR 100

### PRODUCT DESCRIPTION

**PIONEER PRO Greatfloor 100** is a two component, 100% solids epoxy specially formulated as a high strength binder for use in light to heavy-duty seamless floor overlay and topping systems. It has low viscosity for good penetration into concrete and uniform wetting of filler aggregates.

### TYPICAL USES

**PIONEER PRO Greatfloor 100** is designed for use as a:

1. High protective coating.
2. Pigmented binder for seamless broadcast flooring system.
3. Low viscosity binder for trowel applied mortar flooring.
4. High quality concrete epoxy primer

### TECHNICAL DATA

TABLE 1. PHYSICAL DATA

<b>Finish</b>	Gloss, will chalk if exposed to sunlight
<b>Weathering</b>	Very good. On exposure to sunlight, it will chalk and light colors may yellow without detracting from overall durability.
<b>Color</b>	Standard, custom colors

*White and light colors may show yellowing on aging. Yellow, red and orange colors will fade faster than other colors due to the replacement of lead-based pigments with lead-free pigments in these colors*

<b>Components</b>	2
<b>Curing mechanism</b>	Chemical Reaction between components
<b>Induction Time</b>	5 – 10 minutes. <i>(Epoxyes are often cured by amine functional polyamides and typically, not particularly soluble in the epoxy side. Because of this poor solubility, it is often necessary to allow extra time after mixing for the reaction products to gain solubility characteristics more closely related to each other. This extra time is called the "induction period" or "sweat-in time" and allows time for two resins to partially co-react).</i>

**Theoretical Coverage** 2 sq.m. per liter at 500µm dft (wft = 500 µm). Material losses during mixing and application will vary and must be considered when estimating requirements.

**Solids Content, %** 99±1%

**(mixed volume)**

**Pot life @ 29°C** 1½ hour, less at higher temperatures. *(Keep out of the sun before blending. Some discoloration and darkening will occur at temperatures greater than 200°F, this will not affect film integrity or coating performance).*

**Mixing Ratio** 2 parts A to 1 part B

**(by volume)**

**Dry Time**

**Set to touch, hr.** 3 hours

**Dry through, hr** 6 hours

**Initial Cure @ 29°C** 12 hours

**Full Cure**

**Maximum Strength** 168 hours

**Shelf Life** A and B components in unopened containers is 36 months. Store at temperatures between 50°F and 100 °F (10°C to 38°C). Do not open containers until ready to use the material.

*Note : The figures quoted for pot life and drying/curing times are dependent on site conditions such as volume of material mixed, ambient and substrate temperatures, weather and ventilation.*

### APPLICATION PARAMETERS

#### SURFACE PREPARATION:

##### A. AGED UNCOATED CONCRETE

Must be dry, clean and free from oils, fats or greases. Degrease or scrub with detergents if necessary. The concrete must be free from any incompatible additives or curing agents. Acid etch or abrasive blast clean.

##### B. PREVIOUSLY EPOXY-COATED CONCRETE

Remove loose dirt, dust and paint by sweeping or vacuum cleaning. Remove grease, oil, floor compound, wax and other contaminants.



## SPEC DATA SHEET & Application Instruction

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Caustic soda treatment must be used on areas covered with a build-up of grease and/or soap scum. Heavy contaminated areas may require further removal by mechanical methods. If the floor is very old and completely saturated with oil, no cleaning method will completely remove the oil. In this case, try a small areas and apply a sample of the system before cleaning the entire floor.

Very glossy or hard coatings should be sanded to insure maximum adhesion.

Concrete floor areas which, require patching should be free of dirt, oil, grease and other chemical contaminants. A test patch is recommended for use over existing coatings.

### MIXING:

Stir individual components, then combine, adding Part B to Part A and mix thoroughly until uniformly blended to a workable consistency. Use immediately, do not mix more material than can be used within the expected pot life. No thinner required.

### EQUIPMENT:

Brush or Roller application: Additional coats may be required to attain proper thickness.

### CLEANING:

Clean all tools or equipment used while coating is still in its uncured state. Use Pioneer Epoxy Reducer or lacquer thinner to clean tools and spills.

### HEALTH & SAFETY PRECAUTIONS:

Read material safety data sheet before use. Safety precautions must be strictly followed during storage, handling and use.

Do not use this product without first taking all appropriate safety measures to prevent property damage and injuries. These measures may include, without limitation: implementation of proper ventilation, use of proper lamps, wearing of proper protective clothing and masks, tenting and proper separation of application areas. Consult your supervisor. Proper ventilation and protective measures must be provided during application and drying to keep solvent vapor concentrations within safe limits and to protect against toxic hazards. Necessary safety equipment must be used and

ventilation requirements carefully observed, especially in confined or enclosed spaces, such as tank interiors and buildings.

This product is to be used by those knowledgeable about proper application methods. RCI makes no recommendation about types of safety measures that may need to be adopted because these depend on application and space, of which RCI is unaware and over which it has no control.

### PACKAGING

Gallon set,	Part A – 3.16 kg
	Part B – 1.22 kg

### WARRANTY

RCI warrants its products to be free from defects in material and workmanship. RCI's sole obligation and Buyer's exclusive remedy in connection with the products shall be limited, at RCI's option, to either replacement of products not conforming to this Warranty or credit to Buyer's account in the invoiced amount of the nonconforming products. Any claim under this Warranty must be made by Buyer to RCI in writing within five (5) days of Buyer's discovery of the claimed defect, but in no event later than the expiration of the applicable shelf life, or one year from the delivery date, whichever is earlier. Buyer's failure to notify RCI of such nonconformance as required herein shall bar Buyer from recovery under this Warranty.

**RCI makes no other warranties concerning the product. No other warranties, whether expressed, implied, or statutory, such as warranties of merchantability or fitness for a particular purpose, shall apply. In no event shall RCI be liable for consequential or incidental damages.**

Any recommendation or suggestion relating to use of the products made by RCI, whether in its technical literature, or in response to specific inquiry, or otherwise, is based on data believed to be reliable; however, the products and information are intended for use by Buyers having requisite skill and know how in the industry, and therefore it is for Buyer to satisfy itself of the suitability of the products for its own particular use and it shall be deemed that Buyer has done so, at its sole discretion and risk. Variation in environment, changes in procedures of use, or extrapolation of data may cause unsatisfactory results.