



GreatFloor 300

**HEAVY DUTY CHEMICAL RESISTANT
EPOXY FLOOR COATING**



PRODUCT DESCRIPTION

PIONEER PRO GreatFloor 300 is a two component, heavy duty, 100% solids epoxy floor coating for heavy duty protection of industrial floors.

TYPICAL USES

For coating new or old uncoated or previously coated industrial concrete floors exposed to:

1. Heavy foot and rubber tired vehicle traffic.
2. Intermittent chemical spills, splashes and power washings.

TECHNICAL DATA

Table 1. PHYSICAL DATA

Finish:	Gloss, will chalk if exposed to sunlight
Weathering Resistance:	Very good. On exposure to sunlight, it will chalk and light colors may yellow without detracting from overall durability.
Components:	2
Curing Mechanism:	Chemical Reaction between components
Theoretical Coverage:	2 sq.m. per liter at 500um dft (wft= 500 um). Material losses during mixing and application may vary and must be considered when estimating requirements.
Solid Content, Mixed Volume %:	99±1%
Pot Life @ 29°C :	½ -1 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 (by Volume)	2 Parts A to 1 part B
Dry Time	
Initial Cure @ 29° C:	3-6 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.
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Note: the figures quoted for PotLife 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 INSPECTION:

1. Check floor design, integrity and contaminants.
2. Check moisture content. Moisture in the concrete maybe detrimental to coating adhesion.

SURFACE PREPARATION:

A. Aged, Uncoated, Concrete

It 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. Perform acid etching or mechanical abrading using power tools, then, remove debris, dust, dirt, loosely adherent laitance and concrete.

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. 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 to test by cleaning a small area and apply a sample of the system before cleaning the entire floor.

If the surface that is to be coated is smooth or shows any gloss whatsoever, the surface should be abraded using a medium to coarse sandpaper.

Make sure that you remove any dust from the surface with a tack ragged.

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.

C. Steel

Remove all loose rust, dirt, moisture, grease or other contaminants from surface. Power-tool clean SSPC-SP3 or hand-tool clean SSPC- SP2. For more severe environments, dry abrasive blast SSPC-SP7.

MIXING

Stir individual components , then combine, adding Part B to Part A and mix thoroughly until uniform blended to a workable consistency. Use the mixture immediately, do not mix more material than can be used

within the expected pot life. No thinner required.

EQUIPMENT

The following is a guide; suitable equipment from other manufacturers that may be used. Changes in pressure, hose and tip size may be needed for proper spray characteristics.

- Airless spray: Standard equipment with 30:1 pump ratio or larger, with a 0.017 – 0.021 –inch fluid tip.
- Conventional spray: Industrial Equipment such as Devilbiss or JGA or Binks 18 or 62 spray gun. A moisture and oil trap in the main air supply line, a pressure material pot with mechanical agitator and separate regulators of air and fluid pressure are recommended
- Brush or Roller Application: Additional coats may be required to attain proper thickness.

CLEANING

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

HEALTHY & 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 first without 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

Available in 4 Liter Set.

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, as its sole discretion and risk. Variation in environment changes in procedures of use, or extrapolation of data may cause unsatisfactory results.