



# PermaFLOOR 9200

## Quick-Dry Industrial Epoxy Coating

Premium floor coating for permanent protection with a smooth or anti-skid seamless surface. Perma-Floor will resist chemical exposure and withstand high traffic and mechanical abuse.

### Recommended For

Concrete Floors  
Walkways, Ramps, and Decks (non-skid system)  
Warehousing, Manufacturing and Storage Areas  
Laboratories - Garage Floors  
Food Plants - Boiler Plants

### Features

No Blush  
Short Dry Time  
Excellent Gloss Retention  
Outstanding Flow and Leveling  
Two Component Package  
No VOC

<b>Application:</b>	Urethane grade mohair rollers								
<b>Application Conditions:</b>	Apply when temperatures are above 50°F and a minimum of 5°F of the dew point; relative humidity less than 85%. Best if temperature is at least 72°F.								
<b>Average Dry Time:</b>	To touch 2-4 hours (at 77°F / 25°C). Dry for foot traffic 12 to 24 hours.								
<b>Resistance To:</b>	<b>Dry Heat to 150°F -</b>  <table border="0"> <tr> <td>Weather - Excellent</td> <td>Oil Spills and Animal Fats - Very Good</td> </tr> <tr> <td>Moisture - Excellent</td> <td>Abrasion - Excellent</td> </tr> <tr> <td>Solvent - Excellent</td> <td>Petroleum - Excellent</td> </tr> <tr> <td>Chemical Fumes - Very Good</td> <td></td> </tr> </table>	Weather - Excellent	Oil Spills and Animal Fats - Very Good	Moisture - Excellent	Abrasion - Excellent	Solvent - Excellent	Petroleum - Excellent	Chemical Fumes - Very Good	
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Chemical Fumes - Very Good									
<b>Theoretical Coverage at 1 mil:</b>	1579 mil sq. ft. per gallon. The actual coverage will be less, depending on application technique, job conditions, color and type of surface to be coated.								
<b>Thinning:</b>	No thinning required.								
<b>Finish:</b>	Super High Gloss								
<b>% Solids by Volume:</b>	Average of 98%, depending on color								
<b>% Solids by Weight:</b>	Average of 99%, depending on color								
<b>Pigment Type:</b>	Chemical Resistant								
<b>Solvent Type:</b>	Not Applicable								
<b>Vehicle Type:</b>	Bisphenol A/Epichlorohydrin								
<b>Viscosity at 77°F (25°C):</b>	98 Krieb Units								
<b>Physical Properties:</b>	<i>VOC Actual: 0 g/l • VOC Regulatory: 0 g/l • Weight of Volatiles: 0% • Weight of Exempt: 0% • Volume of Exempt: 0% • Density: 1,093 g/l</i> Some colors may have trace VOC. Consult MSDS.								
<b>Caution:</b>	Recommended installation thickness of 8 mils to 16 mils per coat. Heavy applications exceeding this thickness may result in slow dry.								



# TECHNICAL BULLETIN

## 9200 Quick-Dry Industrial Epoxy Coating

### Type

A quick-dry epoxy floor coating.

### Intended Use

A premium coating designed as a smooth or anti-skid seamless flooring that has excellent durability, is easy to clean, chemical and stain resistant, and has a low installation cost.

### FOR INDUSTRIAL USE ONLY

### Chemical Resistance

Excellent resistance to moisture, staining, wear, abrasion, and chemicals, Very good resistance to solvents. Good chemical fumes resistance. Excellent clarity.

### Surface Preparation

Dependent on coating use. Refer to SURFACE PREPARATION Section.

### Application

18" mohair epoxy grade roller

### Colors

Clear, Gray, Tile-Red, National Blue, White, Safety Yellow, Swift Red, Tumbleweed, Silver Gray; Custom colors available upon request.

### Recommended Film Thickness

Between 8 and 16 mils installation thickness on thin film. For thick film up to approximately 32 mils. maximum.

### FILM THICKNESS PER COAT

#### Spray

Not applicable

#### Brush or Roller

8 to 16 mils

### Theoretical Coverage at 1 mil

1579 square feet per gallon per mil. The actual coverage will be less depending upon application technique, job conditions and type of surface to be coated.

### Tack Free Time at 77°F (25°C)

2-4 hours

### Drying Times at 77°F (25°C) (foot traffic acceptable)

12 to 24 hours for light foot traffic, depending upon weather temperature.

### Curing Time at 77°F (25°C)

7 days

### OVERCOATING TIME

#### Minimum

1 hour

#### Maximum

24 hours

### PHYSICAL SPECIFICATIONS

#### Pigments

Chemical Resistant

#### Solids

Average 98.6% by volume, depending on color  
Average 99% by weight, depending on color

#### Pot Life (1 gallon at 77°F)

Mixed: 1 hour depending upon volume and temperature. Doubling the volume or an increase in temperature by 10°C will shorten the pot life in half. Low temp/fast cure available.

#### Mixing Ratio

2 parts Part A to 1 part Part B to 0.5 Envirosol

#### Shelf Life

12 months at 77°F when parts A and B are not combined

#### Gloss

Super High Gloss

### AREA OF USAGE

As a super high gloss premium floor coating with a smooth or non-skid seamless surface; recommended for concrete floors, walkways, ramps, and decks (non-skid system). Excellent for use in warehousing, manufacturing, storage, laboratories, food plants, and boiler plants.



## CHEMICAL RESISTANCE

• Water • Salt • Acids • Alkalis • Solvent • Oil • Animal Fats •

NOTE: Although 9200 Series exhibits resistance to the above environments, this list is not meant to imply an express guarantee in actual service. It is recommended that the user contact Ponderosa Paint Company for specific recommendations when severe exposure is expected.

## THINNING

No thinning is required

**Spray Application**  
Not applicable

**Brush or Roller Application**  
No thinning required

## SURFACE PREPARATION

**Steel**  
Not applicable

### Concrete

New concrete should cure for at least 30 days before coating. May be applied over cured concrete that has been properly cleaned. Oil, grease and sealers may inhibit bonding. Any existing sealers must be removed by mechanical means such as shot blasting. For degreasing scrub the concrete with a cleaner/degreaser and thoroughly flush with water. Wash the surface with a high pressure washer. Apply a solution of 3:1 muriatic acid and water, using a plastic gardening can or spray can. (approx. 2 gallons of solution per 100 sq. ft.) Let the solution sit and react with the concrete for 2 to 3 minutes. Bubbles will be evident. Scrub the surface and flush with plenty of fresh water, rinse with power wash if possible. **IMPORTANT:** Don't allow acid solution to dry on the concrete surface. All cracks and erosion should be required with cementitious grout. After the grout has cured it may be necessary to use a floor buffer with either a 60 grit sanding disc or a grinding stone attachment to tone down marks and imperfections. The cleaning and

acid etching procedure is to be repeated. You may also choose to repair the surface using water washed silica and epoxy.

## EQUIPMENT

**Spray Application**  
Not applicable

**Roller Application**  
18" epoxy mohair grade roller

**Brush Application**  
3" natural china bristle

## READ THIS NOTICE SAFETY AND MISCELLANEOUS EQUIPMENT

1. It is recommended that the operator provide himself with clean coveralls and rubber soled shoes and observes good personal hygiene. Certain personnel may be sensitive to various types of resins, which may cause dermatitis or severe allergic reactions.
2. **USE ONLY WITH ADEQUATE VENTILATION.** Do not take internally. Avoid contact with eyes, skin or clothing, it may cause irritation. **CAUTION: REPEATED USE OF EPOXIES COULD CAUSE SYSTEMATIC SENSITIZATION, WHICH MAY INCLUDE ANAPHYLACTIC REACTION. THIS COULD IMPAIR BREATHING. CARE, AS DEMANDED BY GOOD PRACTICE, OSHA, STATE AND LOCAL SAFETY CODES, ETC. MUST BE TAKEN.** Keep away from heat, sparks and open flame, and use necessary safety equipment (such as, air mask, explosion-proof electrical equipment, non-sparking tools and ladders, etc.) **Keep out of the reach of children.**
3. **CAUTION: Read and follow all caution statements on this product technical bulletin, material safety data sheet and container label for this product. Read Material Data Safety Sheet (MSDS) before using.**



## MIXING

9200 Series Epoxy comes in a two component package.

The coating Part A and the curing agent, Part B, are mixed at a 2:1 ratio (10 gallons : 5 gallons). Do not mix until ready to use. Thoroughly mix. Watch the pot life. If material or ambient air is greater than 25°C (77°F) or if mixing more than a gallon of product at one time pot life is dramatically shortened. Pour material onto surface or into a tray as soon as possible to slow reaction time.

## APPLICATION PROCEDURE

1. Surface should be free of dirt, grease and anything that might interfere with adhesion. Follow the procedures in "Surface Preparation." Use an alkaline cleaner, like "Tide" thoroughly dissolved in hot water. Rinse well and make sure that the surface is completely dry.
2. If desired apply a floor primer/sealer such as Ponderosa's 9300 Aqua-Bond according to manufacturers specifications. When the primer has dried enough to support foot traffic apply Perma-Floor.
3. Don't mix the epoxy until ready to use.
4. Apply Perma-Floor 9200 using an 18 inch urethane grade roller with long handle and an 18" dip tray. Note: Placing the dip tray on a small hand truck makes it easy to move the tray as you proceed.
5. Edges of the wall are cut-in with 3" natural bristle china chip paint brushes.
6. Dip roller into the product in the tray and completely saturate the roller. Do not remove the paint from the roller just put it in the product and then bring it out on the floor.
7. Spread the product by rolling back and forth using a W pattern until the product is evenly distributed. Then back roll the section. NOTE: You are not painting the product onto the floor but rather you are spreading it. Evenly apply it with no puddles, but have a thick 10 mil coverage.
8. FOR ANTI-SLIP FLOORS: Broadcasting should not begin until the floor coating rolling has advanced a significant distance. (10-20 minute lapse). Leave at least a foot edge of wet material to insure proper blending-in of the next batch. Never throw the silica onto the area where the coating is being applied. Wearing of spiked shoes (golf shoes) prevents the leaving of marks. Using water washed silica allow the silica to float down vertically onto the flooring. Do not side arm the sand. Broadcast slowly and carefully to insure complete and even coverage. Broadcast more than the resin will accept. The excess is swept off later, after the floor material has hardened (4-8 hours). Once the excess sand has been swept off another layer of 9200 Perma-Floor is applied.
9. Clean up all equipment with a solvent such as Envirosol. This material has a 1 hour pot life after mixing (depending on volume). Any unused epoxy and all mixing and application equipment must be flushed and cleaned within 15 minutes after mixing or use.
10. When surface has cured for 18 to 24 hours it may be coated with a sealer. For interior surfaces use 9100 Perma-Floor Topcoat/Sealer. For exterior surfaces use 9500 or 9600.
11. Refer to appropriate Material Safety Data Sheets and applicable local, state and federal laws for handling and disposal questions.

## INSPECTION

Degree of surface preparation and film thickness shall conform to appropriate specifications outline in SURFACE PREPARATION and RECOMMENDED FILM THICKNESS sections.

*Ponderosa Paint Company warrants its products to be free of defects in materials and workmanship. Since Ponderosa Paint Company has no control over surface preparation or application methods, no guarantee concerning results is offered, expressed, or implied. If this product is found to be defective, liability shall be limited to the refund of purchase price or replacement of product.*