

# PPG Supercoat®

## DESCRIPTION

Two-component, waterborne epoxy floor coating

## PRINCIPAL CHARACTERISTICS

- Waterborne epoxy
- Bonds to dry and damp concrete
- Excellent abrasion and impact resistance
- Excellent chemical resistance
- Low odor
- No latex
- Low VOC
- TYPICAL USES:
  - Industrial and commercial warehouses
  - Automotive service areas
  - Suitable for porous concrete surfaces
  - Heavy duty coating over concrete

## COLOR AND GLOSS LEVEL

- Cobalt Blue, Firebrick Red, Ivory, Sandstone, Slate Gray, Stone-gray
- High gloss

## BASIC DATA AT 70°F (21°C)

Data for mixed product	
Number of components	Two
Mass density	10.7 lb/US gal (1.3 kg/l)
Volume solids	51 ± 2%
VOC (Supplied)	max. 1.1 lb/US gal (approx. 135 g/l)
Theoretical spreading rate	312 ft <sup>2</sup> /US gal for 5.0 mils (7.7 m <sup>2</sup> /l for 125 µm) 250 ft <sup>2</sup> /US gal for 8.0 mils (250.0 m <sup>2</sup> /l for 200 µm)
Overcoating Interval	6 hours
Dry to walk on	12 hours

# PPG Supercoat®

## Data for mixed product

Full cure after	21 days
-----------------	---------

### Notes:

- If overcoat time is exceeded, abrade and clean surface before recoating
- Spreading rate is based on wet film thickness (WFT)
- The shelf life for the unmixed components (Part A and Part B) for this product is 12 months at 75°F (24°C).
- Material should be stored in dry conditions, out of direct sunlight, in unopened original factory containers, at temperatures above 50°F (10°C) and below 90°F (32°C)
- Product density varies by color. Listed density is for the Stone Gray version of the product. Please contact technical services for densities of other colors.

## RECOMMENDED SUBSTRATE CONDITIONS AND TEMPERATURES

### Concrete

- All surfaces must be sound, clean, free of oil, grease, dirt, mildew, curing compounds, loose and flaking paint, and other foreign substances
- New concrete must cure a minimum of 28 days prior to application
- Prepare in accordance with SSPC SP-13 guidelines
- Surface texture of 100 grit sandpaper is desired for maximum adhesion

### Substrate temperature and application conditions

- Substrate temperature during application should be between 65°F (18°C) and 90°F (32°C)
- Ambient temperature should not exceed 170°F (77°C)
- Vapor transmission should be less than 10 lbs./1000 sq. ft. per 24 hr period

## SYSTEM SPECIFICATION

### Chemical Resistance (Splash/Spill)

- 50% acetic acid
- 28% ammonium hydroxide
- 98% Isopropyl Alcohol
- 10% Nitric Acid
- Ethylene Glycol
- Gasoline
- Motor Oil
- Skydrol #500

### Notes:

- A more complete list of chemical resistances is available by request from PPG PMC Technical Services.
- To maximize service life, chemical splash and spills should be cleaned promptly.



# PPG Supercoat®

## INSTRUCTIONS FOR USE

### **Mixing ratio by volume: Part A to Part B 29:71**

- Pre-mix the Part A and Part B containers using the provided mixing stick or a low-speed drill with paint stirring paddle.
- Pour all of the contents of the Part A container into the larger Part B container. Mix together for 3 minutes.
- Scrape sides and bottom occasionally to ensure all contents are incorporated. Mix only full kits
- Optional non-skid additive: this material should be added to the mixed resins in the final coat. Slowly pour into the mix and stir to suspend throughout the material.

### **Pot life**

1 hour at 70°F (21°C)

Note: At 50% relative humidity

### **Application**

- Apply and back roll using a 3/8 in (9.5 mm) nap roller
- For recommended application instructions, see instructions included with kit.

Note: Do not install on wet (standing water) floors or in areas receiving direct sunlight or where floor will be affected by drafts during curing

### **Cleaning procedures**

- All application equipment must be cleaned immediately after use
- Clean hands and other surfaces with warm, soapy water before material begins to harden.
- Sticky resin residue on hands can be removed with isopropyl alcohol.
- Fully cured material can only be removed from equipment or surfaces with industrial paint strippers or thorough mechanical methods such as grinding or sanding.

## ADDITIONAL DATA

Curing Time		
Substrate temperature	Dry to walk on	Resistant to vehicular service
70°F (21°C)	12 hours	3 days

# PPG Supercoat®

Physical data of cured material	
Characteristic	Value
Tensile Elongation (ASTM D638)	4.3%
Bond strength (ASTM D4541)	>300 psi (>2.1 MPa)
Hardness, Shore D (ASTM D2240)	86
Indentation (MIL-D-3134F)	No chipping or cracking

Note: The value ranges stated in this Technical Data Sheet are based on system processing under laboratory conditions. Equipment configurations and/or field application conditions may produce variances in final system values.

## DISCLAIMER

- This product is specifically suitable for use on the substrates mentioned in this document. For application on any other substrates, please always contact your distributor for specific instructions and in order to make sure that the product performance can be safeguarded.

## SAFETY PRECAUTIONS

- Read all label and Safety Data Sheet (SDS) information prior to use

## WORLDWIDE AVAILABILITY

It is always the aim of PPG Protective and Marine Coatings to supply the same product on a worldwide basis. However, slight modification of the product is sometimes necessary to comply with local or national rules/circumstances. Under these circumstances an alternative product data sheet is used.

## REFERENCES

• CONVERSION TABLES	INFORMATION SHEET	1410
• EXPLANATION TO PRODUCT DATA SHEETS	INFORMATION SHEET	1411
• SAFETY INDICATIONS	INFORMATION SHEET	1430

## WARRANTY

PPG warrants (i) its title to the product, (ii) that the quality of the product conforms to PPG's specifications for such product in effect at the time of manufacture and (iii) that the product shall be delivered free of the rightful claim of any third person for infringement of any U.S. patent covering the product. THESE ARE THE ONLY WARRANTIES THAT PPG MAKES AND ALL OTHER EXPRESS OR IMPLIED WARRANTIES, UNDER STATUTE OR ARISING OTHERWISE IN LAW, FROM A COURSE OF DEALING OR USAGE OF TRADE, INCLUDING WITHOUT LIMITATION, ANY OTHER WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE OR USE, ARE DISCLAIMED BY PPG. Any claim under this warranty must be made by Buyer to PPG 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 of the product, or one year from the date of the delivery of the product to the Buyer, whichever is earlier. Buyer's failure to notify PPG of such non-conformance as required herein shall bar Buyer from recovery under this warranty.

# PPG Supercoat®

## LIMITATIONS OF LIABILITY

IN NO EVENT WILL PPG BE LIABLE UNDER ANY THEORY OF RECOVERY (WHETHER BASED ON NEGLIGENCE OF ANY KIND, STRICT LIABILITY OR TORT) FOR ANY INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES IN ANY WAY RELATED TO, ARISING FROM, OR RESULTING FROM ANY USE MADE OF THE PRODUCT. The information in this sheet is intended for guidance only and is based upon laboratory tests that PPG believes to be reliable. PPG may modify the information contained herein at any time as a result of practical experience and continuous product development. All recommendations or suggestions relating to the use of the PPG product, whether in technical documentation, or in response to a specific inquiry, or otherwise, are based on data, which to the best of PPG's knowledge, is reliable. The product and related information is designed for users having the requisite knowledge and industrial skills in the industry and it is the end-user's responsibility to determine the suitability of the product for its own particular use and it shall be deemed that Buyer has done so, as its sole discretion and risk. PPG has no control over either the quality or condition of the substrate, or the many factors affecting the use and application of the product. Therefore, PPG does not accept any liability arising from any loss, injury or damage resulting from such use or the contents of this information (unless there are written agreements stating otherwise). Variations in the application environment, changes in procedures of use, or extrapolation of data may cause unsatisfactory results. This sheet supersedes all previous versions and it is the Buyer's responsibility to ensure that this information is current prior to using the product. Current sheets for all PPG Protective & Marine Coatings Products are maintained at [www.ppgpmc.com](http://www.ppgpmc.com). The English text of this sheet shall prevail over any translation thereof.

The PPG logo, and all other PPG marks are property of the PPG group of companies. All other third-party marks are property of their respective owners.

