

PPG Flooring 2640

Formerly known as Milamar PM400 Breathable Floor Coating

DESCRIPTION

Two-component, heavy duty waterborne epoxy floor coating

PRINCIPAL CHARACTERISTICS

- Low odor
- Breathable
- Excellent adhesion to concrete
- Excellent chemical resistance
- Excellent abrasion and impact resistance
- Compatible with damp surfaces
- Suitable for porous concrete surfaces
- Slip resistant finish
- Suitable for use in underground concrete applications
- Highly resistant to hydrostatic delamination

COLOR AND GLOSS LEVEL

- Gray, Mocha, Tile Red, and Green
- Gloss

BASIC DATA AT 75°F (24°C)

Data for mixed product	
Number of components	Two
Volume solids	52 ± 3%
VOC (Supplied)	max. 1.65 lb/US gal (approx. 198 g/l)
Recommended dry film thickness	4.0 - 6.0 mils (100 - 152 µm) per coat
Theoretical spreading rate	200 ft ² /US gal for 5.0 mils (4.9 m ² /l for 127 µm)
Dry to overcoat	7 hours
Shelf life	Part A: at least 12 months when stored cool and dry Part B: at least 12 months when stored cool and dry

Note:

- 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°C (32°C)

RECOMMENDED SUBSTRATE CONDITIONS AND TEMPERATURES

- Relative humidity during application and curing should not exceed 80%
- Vapor transmission should be less than 10 lbs./1000 sq. ft. per 24 hr period

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Concrete

- Concrete must be in sound condition and free of all coatings, curing compounds, oil, laitance and other contaminants. New concrete must cure a minimum of 28 days prior to application.
- Coating performance is proportional to the degree of surface preparation
- Surface texture of 100 grit sandpaper is desired for maximum adhesion
- Surfaces can be damp but free of excess or flowing water before application. A Saturated Surface Dry (SSD) condition is recommended

SYSTEM SPECIFICATION

- Compatible Topcoats: PPG Flooring 2550

Notes:

- Do not topcoat with epoxy

Chemical resistance (splash/spill)

- 50% acetic acid
- 20% ammonium hydroxide
- Ethylene Glycol
- Gasoline
- 98% Isopropyl Alcohol
- Mineral Spirits
- 10% Nitric Acid
- Skydrol #500
- Sulfuric Acid 45%
- Sodium Hydroxide 30%
- Acetone
- Toluene

Notes:

- Some discoloration may occur after prolonged contact with certain chemicals, though the coating integrity will remain intact
- To maximize service life, chemical splash and spills should be cleaned promptly

INSTRUCTIONS FOR USE

Mixing ratio by volume: Part A to Part B 1:3

- Mix Part A and Part B separately to ensure uniformity. Then thoroughly mix the entire contents of both parts of the kit together. Scrape sides and bottoms of containers
 - Mix Part A and Part B together using a low speed Jiffy-type mixer for 2 minutes
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Application

- Apply using a 3/8 in (9.5 mm) nap shed resistant roller
- Two coats are recommended for uniform pigmented finish
- If a slip resistant finish is required, the appropriate aggregate can be broadcast into the wet surface once the coating has been applied and locked in with subsequent coat(s)

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

Material temperature

- Material temperature during application should be between 70°F (21°C) and 90°F (32°C)

Pot life

2 hours at 75°F (24°C)

ADDITIONAL DATA

Physical data of cured material	
Characteristic	Value
Bond strength (ASTM D4541)	>300 psi (>2068 kPa)
Hardness, Shore D (ASTM D2240)	76
Indentation (MIL-D-3134F)	No chipping or cracking
Tensile Elongation (ASTM D638)	4.3%

Note:

- The value ranges stated in this Product 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

- For industrial or professional use only
- 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 or PPG representative 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

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WORLDWIDE AVAILABILITY

It is always the aim of PPG Protective & 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.

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.

LIMITATIONS OF LIABILITY

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AVAILABILITY OF PACKAGING

Packaging

- 4-gallon kits

