

PPG Flooring 2550 Waterborne Urethane Coating

Formerly known as Milamar PM550 Waterborne Urethane Coating

DESCRIPTION

Two-component, water-borne aliphatic urethane coating

PRINCIPAL CHARACTERISTICS

- Low VOC
- Low odor
- Breathable
- Easy spray or roll on application
- Good abrasion and impact resistance
- Fully resistant to all common automotive and aviation fluids, salt, and chemical de-icers
- TYPICAL USES:
- Suitable for floors and vertical surfaces
- Industrial and commercial warehouses
- Basements, recreation rooms
- Finish coat for PPG Flooring 2640 Breathable Floor Coating (fka Milamar PM400 Breathable Floor Coating)

COLOR AND GLOSS LEVEL

- A wide range of colors are available
- Gloss or Flat

BASIC DATA AT 20°C (68°F)

Data for mixed product	
Number of components	Two
Volume solids	56 ± 2%
VOC (Supplied)	EPA Method 24: 0.2 lb/US gal (25.0 g/l)
Theoretical spreading rate	320 ft ² /US gal for 2.8 mils (7.9 m ² /l for 71 µm)
Overcoating Interval	Minimum: 6 hours Maximum: 24 hours

Notes:

- Spreading rate is based on wet film thickness (WFT) of 5 mils (125 µm)
- The shelf life for each of the unmixed components (Part A and Part B) for this product is 12 months at 70°F (21°C)
- If overcoat time is exceeded, abrade and clean surface before recoating

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RECOMMENDED SUBSTRATE CONDITIONS AND TEMPERATURES

- Coating performance is proportional to the degree of surface preparation. Refer to the application instructions for specific primers and intermediate coats for application and curing procedures. Ensure epoxies are free from amine blush prior to overcoating. All previous coats must dry and free of contaminants. Adhere to all minimum and maximum topcoat times for specific primers and intermediate coats. Aged coatings require abrading prior to applying the product. A test patch over unknown coatings is recommended.

Substrate temperature and application conditions

- Ambient temperature during application and curing should be between 65°F (18°C) and 90°F (32°C)
- Relative humidity should not exceed 75%
- Do not use when ambient operating temperatures will exceed 200°F (93°C)

SYSTEM SPECIFICATION

- Do not use when ambient operating temperatures will exceed 200°F (93°C)

Chemical Resistances

- Acetone
- Battery acid
- Brake & Hydraulic fluid
- Gasoline
- Motor Oil
- 20% acetic acid
- 20% Nitric Acid
- 50% Sulfuric Acid
- 98% Isopropyl Alcohol

Note:

- A more complete list of chemical resistances is available by request from PPG PMC Technical Services.

INSTRUCTIONS FOR USE

Mixing ratio by volume: base to hardener 3:1

Application

- Spray or apply by roller using a 3/8 in (9.5 mm) nap
 - Do not exceed 6 mils (150 µm) wet film thickness
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Pot life

1 hour at 75°F (24°C)

Note:

- At 50% relative humidity

ADDITIONAL DATA

Physical data of cured material	
Characteristic	Value
Bond strength (ASTM D4541)	>300 psi (>2.1 MPa)
Linear Shrinkage (ASTM C883)	None
Hardness, Shore D (ASTM D2240)	73
Indentation (MIL-D-3134F)	No Indentation
Tensile Elongation (ASTM D638)	35%
Abrasion resistance (ASTM D4060)	33 mg loss

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

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.

REFERENCES

- Information sheet | Explanation of product data sheets

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.

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