

PPG Flooring 665 Chemical Resistant Urethane

Formerly known as Milamar PM500

DESCRIPTION

Two-component, high-build, aliphatic urethane coating

PRINCIPAL CHARACTERISTICS

- Excellent gloss retention
- Very good chemical resistance
- Excellent abrasion and impact resistance
- Fully resistant to all common automotive and aviation fluids, salt and chemical deicers
- Can be mixed with specially graded aggregates to create a slip resistant surface texture
- Color stable and excellent UV weathering resistance
- TYPICAL USES:
- Industrial and commercial warehouses
- Chemical processing facilities
- Finish coat for an epoxy mortar or broadcast overlay

COLOR AND GLOSS LEVEL

- Clear
- White, Gray, Dark Gray, Tile Red and Mocha
- High gloss

BASIC DATA AT 20°C (68°F)

Data for mixed product	
Number of components	Two
Volume solids	65 ± 2%
VOC (Supplied)	max. 2.6 lb/US gal (approx. 312 g/l)
Recommended dry film thickness	8.0 - 16.0 mils (200 - 400 µm) depending on system
Theoretical spreading rate	200 ft ² /US gal for 8.0 mils (4.9 m ² /l for 203 µm)
Dry to walk on	12 hours
Overcoating Interval	Maximum: 24 hours
Full cure after	3 days
Shelf life	At least 12 months when stored cool and dry



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RECOMMENDED SUBSTRATE CONDITIONS AND TEMPERATURES

Concrete

- All surfaces must be sound, dry, 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
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SYSTEM SPECIFICATION

- All open foods must be removed from area during installation
- Adequate ventilation must be available during installation and cure

Chemical Resistances

- Acetone
 - Acetic Acid
 - Acetic Acid 20%
 - Chlorine (5000 ppm in water)
 - Citric Acid
 - Chlorox
 - Ethylene Glycol
 - Gasoline
 - Hydrochloric Acid 32%
 - Isopropyl Alcohol 98%
 - Nitric Acid 10%
 - Nitric Acid 40%
 - Phenol
 - Skydrol #500
 - Sodium Chloride
 - Sodium Hydroxide 30%
 - Sulfuric Acid 45%
 - Toluene
 - Mineral Spirits
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INSTRUCTIONS FOR USE

- Combine Part A and Part B and thoroughly mix the two components of the kit together
 - Mixing ratio by volume – Part A : Part B = 2:1
 - Mix Part A and Part B together using a low speed Jiffy-type mixer for 2 minutes
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Application

- Apply by roller or squeegee and back roll
- Pour entire mix onto floor in a continuous ribbon. Level the mixture with a flat squeegee or trowel, then back roll with medium nap phenolic core roller
- Where a slip resistant finished floor is required, an additional coat with the appropriate aggregate can be pre-mixed with the A- and B-components or broadcast into the wet coating

Pot life

1 hour at 70°F (21°C)

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

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AVAILABILITY OF PACKAGING

Packaging

- 3-gallon and 15-gallon kits

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