

PPG FLOORING WEAR RESISTANT URETHANE

DESCRIPTION

PPG Flooring Wear Resistant Urethane is a high solids, high durability coating that provides excellent abrasion, chemical, and impact resistance. The flexible, coating offers excellent UV stability in a non-skid Satin finish.

PRINCIPAL CHARACTERISTICS

- Outstanding gloss retention
- Tough, flexible, and impact resistant
- Excellent resistance to hot tire staining
- TYPICAL USES:
- Topcoat for epoxy floor systems
- Airplane hangars
- Food and beverage processing facilities
- Industrial and commercial warehouses
- Manufacturing facilities
- Pharmaceutical plants
- Power plants

COLOR AND GLOSS LEVEL

- Clear
- Satin

BASIC DATA AT 68°F (20°C)

Data for mixed product	
Number of components	Three
Volume solids	92 ± 2%
VOC (Supplied)	EPA Method 24: 95.0 g/ltr (0.8 lb/USgal)
Recommended dry film thickness	2.0 - 3.0 mils (50 - 75 µm) per coat
Theoretical spreading rate	500 ft ² /US gal for 3.0 mils (0.0 m ² /l for 75 µm) 600 ft ² /US gal for 2.0 mils (0.0 m ² /l for 50 µm)
Shelf life	Base: at least 12 months when stored cool and dry Hardener: at least 12 months when stored cool and dry

Notes:

- Shelf life is for unopened containers
- Recoating is not recommended
- See ADDITIONAL DATA - Drying time



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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 be 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

- Surface temperature should be at 60°F to 90°F (16°C to 32°C)
- The surface temperature must be at least 5°F (3°C) above dew point
- Ambient temperature during application and curing should be between 60°F (16°C) and 90°F (32°C)
- Maximum 80% relative humidity during application and curing

SYSTEM SPECIFICATION

- Primer: PPG Flooring Concrete Epoxy Primer
- Basecoat (For thicker floors use between primer and topcoat): PPG Flooring Self-Leveling Epoxy

INSTRUCTIONS FOR USE

- APPLICATION PROCEDURE:
- Ensure good ventilation during application and curing.
- Surface must be dry before application of this product.
- Dip the roller in the coating and roll out excess material in the roller tray prior to the actual application to the substrate. Maintain a wet edge to avoid roller marks.
- Pour the mixed material into the application tray. Apply at the specified rate of 500 to 600 square feet per gallon in a uniform manner to ensure a uniform appearance. Do not apply thicker than specified. Too thick of an application may result in solvent entrapment and product failure.
- Overlap application passes being sure no excess material is applied when overlapping. Make sure there is just enough material covering the floor for an even, thin application.
- Remix the material in the application tray to maintain a uniform mix throughout the application process.
- To finish, re-roll the area in the opposite direction of the first pass applications to level and even the application.
- During the final finish roll, pull the roller across the entire slab in one direction without applying any pressure and repeating this process by overlapping until the entire slab has been finish rolled. This will help blend in any roller and overlap marks.

Note: Recoating is not recommended

1-Gallon Kit consisting of Part A Resin, Part B Hardener, Part C Filler

- Pre-mix Part A, slowly add Part C filler and mix until thoroughly blended. Add Part B and mix for 3 minutes.

Induction time

None



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Pot life

2 hours at 75°F (24°C)

Notes:

- At 50% relative humidity
- See ADDITIONAL DATA – Pot life

Material temperature

Material temperature during application should be between 60°F (16°C) and 90°F (32°C)

Brush/roller

- Use a high quality natural bristle brush or solvent resistant, 3/8" nap roller. Ensure brush/roller is well loaded to avoid air entrainment.

Cleaning solvent

AMERCOAT 12 CLEANER or use Acetone

ADDITIONAL DATA

Drying time	
Substrate temperature	Full cure
60°F (16°C)	5 days
75°F (24°C)	4 days
90°F (32°C)	3 days

Note: At 50% relative humidity

Drying time		
Substrate temperature	Dry to handle	Light impact/abrasion
60°F (16°C)	5 hours	22 hours
75°F (24°C)	4 hours	16 hours
90°F (32°C)	3 hours	16 hours

Note: At 50% relative humidity

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Pot life (at application viscosity)	
Mixed product temperature	Pot life
60°F (16°C)	2.5 hours
75°F (24°C)	2 hours
90°F (32°C)	1.5 hours

Note: At 50% relative humidity

DISCLAIMER

- For industrial or professional use only

SAFETY PRECAUTIONS

- See Safety Data Sheet and product label for complete safety and precaution requirements

REFERENCES

• CONVERSION TABLES	INFORMATION SHEET	1410
• EXPLANATION TO PRODUCT DATA SHEETS	INFORMATION SHEET	1411
• SAFETY INDICATIONS	INFORMATION SHEET	1430
• SAFETY IN CONFINED SPACES AND HEALTH SAFETY, EXPLOSION HAZARD – TOXIC HAZARD	INFORMATION SHEET	1431

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Product code	Description
FLR400-0	1 Gallon Kit

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