

PPG FLOORING 100% SOLIDS POLYASPARTIC

DESCRIPTION

PPG Flooring 100% Solids Polyaspartic coating provides application capability up to 20 mils, versatility for interior or exterior use with outstanding durability and protection for resistance to chemicals, stains, and damaging UV's. It is used as a seal coat over broadcast floors of PPG Decorative Flakes or quartz and provides faster return-to-service than 100% solids epoxy topcoats.

PRINCIPAL CHARACTERISTICS

- Low VOC, high solids, rapid cure
- Application down to 35°F (2°C)
- Outstanding weather resistance with excellent color and gloss retention
- Tough, flexible and abrasion resistant
- TYPICAL USES:
- Cafeterias
- Commercial/Food processing kitchens
- Exterior walkways, pool decks, and other areas with UV exposure
- Industrial and commercial warehouses

COLOR AND GLOSS LEVEL

- Clear
- Gloss

BASIC DATA AT 72° F (22° C)

Data for mixed product	
Number of components	Two
Volume solids	100 ± 2%
VOC (Supplied)	EPA Method 24: 0.0 lb/US gal (0.0 g/l)
Recommended dry film thickness	10.0 - 20.0 mils (250 - 500 µm) depending on system
Theoretical spreading rate	160 ft ² /US gal for 10.0 mils (0.0 m ² /l for 250 µm) 80 ft ² /US gal for 20.0 mils (0.0 m ² /l for 500 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
- DRYING TIME at 72°F (22°C): Light Foot Traffic - 4 hours, Heavy Traffic - 48 hours, Full Cure - 5 days
- MINIMUM RECOAT at 72°F (22°C): 2 hours
- MAXIMUM RECOAT at 72°F (22°C): 24 hours - recoating after maximum recoat hours requires surface abrasion to ensure proper adhesion



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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.
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Atmospheric exposure conditions

- Ambient temperature during application and curing should be between 35°F (2°C) and 95°F (35°C).
 - Material temperature during application and curing should be between 35°F (2°C) and 95°F (35°C).
 - Relative humidity must be between 40% and 85% during application and curing.
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Concrete

- Remove all surface contaminants such as oil, grease, and embedded chemicals
 - Abrade the surface per ASTM D4259 to remove all chalk and surface glaze or laitance
 - Use a suitable epoxy to prime the concrete. Refer to primer data sheet for further surface preparation details
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Substrate temperature

- Substrate temperature during application should be between 35°F (2°C) and 95°F (35°C)
 - Substrate temperature during application should be at least 5°F (3°C) above dew point
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SYSTEM SPECIFICATION

- Only to be used as a topcoat over broadcast of PPG Flooring Decorative Flakes or quartz aggregate
 - Not to be used as a topcoat on a smooth floor
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INSTRUCTIONS FOR USE

- APPLICATION EQUIPMENT:
- SQUEEGEE: Flat or notched rubber squeegee (depending on DFT required) with EPDM rubber blade, available from manufacturers such as Midwest Rake Co.
- ROLLERS: 3/8 inch lint-free roller with phenolic core for back-rolling.
- APPLICATION PROCEDURE:
- Using either a flat or notched rubber squeegee, spread the mixed material to a uniform thickness. Apply sufficient pressure to work the material into the porous surface.
- As material is being spread with the squeegee, an applicator wearing spiked shoes should immediately back-roll and cross-roll the material with a clean, lint-free 3/8" roller. Finish by uniformly tipping off the surface with the roller in one direction.
- The material can be applied up to 20 wet mils, but two thin coats of up to 10 wet mils may be easier to work.
- In hot or humid conditions, apply via 18" roller in a dip and roll method from a roller pan. This material will cure faster with exposure to moisture in the air.
- To avoid visible differences in texture or mix-to-mix "tie-ins" - do not exceed 5-10 minutes from one mix to another. Use joints as natural breaks to divide sections of the floor.

Mixing ratio by volume: base to hardener 2:1

- Mix with low speed power drill and Jiffy blade for three minutes until uniform
- Do not mix more material than can be applied within 10-15 minutes

Induction time

None

Cleaning solvent

AMERCOAT 12 CLEANER or use Acetone

Drying time at 10 mils	
Substrate temperature	Full cure
72°F (22°C)	5 days

Drying time at 10 mils		
Substrate temperature	Dry to walk on	Resistant to vehicular service
72°F (22°C)	4 hours	48 hours



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Pot life (at application viscosity)	
Mixed product temperature	Pot life
72°F (22°C)	20 minutes - 25 minutes

Notes:

- At 45% relative humidity
- Higher temperatures and relative humidity will shorten pot life and working time

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
FLR675-0	1.5 Gallon Kit

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