

GLIDDEN® Epoxy Floor Coating

DESCRIPTION

Two-component, waterborne epoxy floor coating

PRINCIPAL CHARACTERISTICS

- Waterborne epoxy
- Bonds to dry and damp concrete
- Excellent abrasion and impact resistance
- Excellent chemical resistance
- Fast return to service
- Low odor
- No latex
- TYPICAL USES:
- Garages and Basements
- Industrial and commercial warehouses
- Automotive service areas
- Suitable for porous concrete surfaces
- Heavy duty coating over concrete

COLOR AND GLOSS LEVEL

- Dark gray, light gray
- Semi-gloss

BASIC DATA AT 24°C (75°F)

Data for mixed product	
Number of components	Two
Mass density	Base: 13.5 lb/US gal (1.62 kg/L) Cure: 8.67 lb/US gal (1.04 kg/L) Mixed: 10.4 lb/US gal (1.25 kg/L)
Volume solids	53.5 ± 4%
VOC (Supplied)	max. 0.4 lb/US gal (approx. 50 g/l)
Recommended dry film thickness	3.0 mils (76 µm) per coat
Theoretical spreading rate	285 ft²/US gal for 3.0 mils (7.0 m²/l for 76 µm)
Dry to walk on	9 hours
Overcoating Interval	Minimum: 4 hours Maximum: 30 days
Full cure after	21 days
Shelf life	At least 24 months when stored cool and dry

Notes:



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- If overcoat time is exceeded, abrade and clean surface before recoating
- 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°F (32°C)

RECOMMENDED SUBSTRATE CONDITIONS AND TEMPERATURES

Concrete

- All surfaces must be sound, 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

Substrate temperature and application conditions

- Substrate temperature during application should be between 65°F (18°C) and 90°F (32°C)
- Ambient temperature should not exceed 170°F (77°C)
- Vapor transmission should be less than 10 lbs./1000 sq. ft. per 24 hr period

SYSTEM SPECIFICATION

Chemical resistance (splash/spill)

- 2 Cycle Engine Oil
- Mobil 1 (5W-30) Motor Oil
- Bar and Chain Oil
- Skydrol Hydraulic Fluid
- Dot 3 Brake Fluid (O'Reilly)
- Diesel Fuel
- 1K Heater Fuel Kerosene
- IPA (Isopropyl Alcohol)
- Bleach

Notes:

- A more complete list of chemical resistances is available by request from PPG PMC Technical Services
- To maximize service life, chemical splash and spills should be cleaned promptly

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INSTRUCTIONS FOR USE

Mixing ratio by volume: Part A to Part B 36:64

- Pre-mix the Part A and Part B containers using the provided mixing stick or a low-speed drill with paint stirring paddle.
- Pour all of the contents of the Part A container into the Part B container. Mix together for 5 minutes until homogeneous.
- Scrape sides and bottom occasionally to ensure all contents are incorporated. Mix only full kits
- Optional flake and glitter, sprinkle on top after applying the final coat
- Optional non-skid additive: this material should be added to the mixed resins in the final coat. Slowly pour into the mix and stir to suspend throughout the material.

Application

- Apply and back roll using a 3/8 in (9.5 mm) nap roller
- For recommended application instructions, see instructions included with kit.

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

CLEANING PROCEDURE

- All application equipment must be cleaned immediately after use
- Clean hands and other surfaces with warm, soapy water before material begins to harden.
- Sticky resin residue on hands can be removed with isopropyl alcohol.
- Fully cured material can only be removed from equipment or surfaces with industrial paint strippers or thorough mechanical methods such as grinding or sanding.

ADDITIONAL DATA

Physical data of cured material	
Characteristic	Value
Mandrel Elongation (ASTM D522)	25%
Adhesion to Concrete (ASTM D7234)	>400 psi (>2.76 MPa)
Hardness, ASTM D4366, 3°König	24 (24 hrs), 80 (7 day)
Impact Resistance (ASTM D2794)	26 inch-lbs (direct), 4 inch-lbs (indirect)

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.



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Curing Time		
Substrate temperature	Dry to walk on	Resistant to vehicular service
70°F (21°C)	9 hours	24 - 36 hours

Pot life	
Mixed product temperature	Pot life
60°F (16°C)	2 hours
70°F (21°C)	1 hour
80°F (27°C)	40 minutes

Note:

- At 50% relative humidity

DISCLAIMER

- 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 PMC 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.

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