

PPG FLOORING 618 EPOXY COATING

DESCRIPTION

Two-component, 100% solids, multi-purpose, elastomeric epoxy

PRINCIPAL CHARACTERISTICS

- Good chemical resistance
- Excellent abrasion and impact resistance
- Good color retention
- High crack resistance
- Can be mixed with various aggregates to create a smooth, high gloss finish or slip resistance
- Can be used as a stand-alone coating
- Compliant with USDA Incidental Food Contact Requirements
- TYPICAL USES:
- Suitable for use as a mechanical floor coating
- High-strength joint filler
- Can be used as a reflective crack damper under more rigid overlays
- Pick resistant caulk

COLOR AND GLOSS LEVEL

- Clear, Gray, Dark Gray
- High gloss

BASIC DATA AT 20°C (68°F)

Data for mixed product	
Number of components	Two
Mass density	8.9 lb/US gal (1.1 kg/l)
Volume solids	100 ± 2%
VOC (Supplied)	EPA Method 24: 0.0 lb/US gal (2.9 g/l)
Dry to touch	8 hours
Overcoating Interval	Minimum: Coating should no longer leave residue when touched with a gloved finger Maximum: 24 hours
Curing time	24 hours

Notes:

- 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)
- Refer to Application Guide for additional information

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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
- Surface texture of 100 grit sandpaper is desired for maximum adhesion
- Prepare in accordance with SSPC SP-13 guidelines
- Cracks should be routed out to at least 1/2" at the surface and a depth of 1/2". On deep cracks or control joints, use a backer rod to set depth.

Substrate temperature and application conditions

- Ambient temperature should be between 50°F (10°C) and 90°F (32°C) during application
- Ambient temperature should not exceed 170°F (77°C)

SYSTEM SPECIFICATION

- Avoid on- or below-grade applications where water vapor transmission is > 4 lb/1,000 sq ft (1.8 kg/93 sq m) per 24 hours.
- Very resistant to most common industrial chemicals and solvents.
- A complete list of chemical resistances is available upon request.

Chemical resistance (splash/spill)

- 28% ammonium hydroxide
- Ethylene Glycol
- Gasoline
- 98% Isopropyl Alcohol

INSTRUCTIONS FOR USE

Mixing ratio by volume: Part A to Part B 1:1

- Mix Part A and Part B separately to ensure uniformity. Then thoroughly mix the entire contents of both parts of the kit together. Scrape sides and bottoms of containers

Application

- 25 mils (635 µm) is normally applied in a membrane coating or a crack damp installation
- 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
- As a crack sealer or pick resistant caulk, pre-mixed A- and B-components can be applied with any appropriate bulk caulk apparatus

ADDITIONAL DATA

Product Qualifications

- Compliant with USDA Incidental Food Contact Requirements

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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

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