

DESCRIPTION

Two-component, fast set, rapid curing, flexible, hybrid polyurea spray coating

PRINCIPAL CHARACTERISTICS

- Fast set
- Fast return to service
- Excellent adhesion to steel
- Tough, flexible, and impact resistant
- Remains flexible at lower temperatures
- Dry temperature resistance from -40°F (-40°C) to 250°F (210°C)
- Extremely tough monolithic membrane is created at a minimum thickness of 20 mils (25 µm)
- Insensitive to atmospheric moisture during application
- TYPICAL USES:
- Used where a seamless, flexible system is essential
- Pick-up truck spray-in bed liners
- Automotive service areas
- Industrial and commercial interior
- Not recommended for direct contact with extremely high or low pH chemicals

COLOR AND GLOSS LEVEL

- Black, Tan, Light Gray, Red, Blue

BASIC DATA AT 20°C (68°F)

Data for mixed product	
Number of components	Two
Mass density	8.7 lb/US gal (1.0 kg/l)
Recommended dry film thickness	60.0 - 100.0 mils (1524 - 2540 µm) per coat
Theoretical spreading rate	16 ft ² /US gal for 100.0 mils (0.4 m ² /l for 2540 µm)
Dry to touch	4 seconds
Overcoating Interval	Maximum: 3 hours

RECOMMENDED SUBSTRATE CONDITIONS AND TEMPERATURES**Truck bed surface**

- Remove the majority of the clear coat, exposing the painted surface; material will bond to paint.
- Use the following (or equivalent): DA air sander with 60-80 grit paper; electric 4" grinder with 36 grit alum oxide pad; or 80 grit nylon filament cup brush
- At perimeter, near Fiber Line tape: hand sand to edge of filament line with 120-180 grit paper
- The surface must be properly prepared, dry, clean and free of any contamination
- Blow off all prepped surface with compressed air

Steel (atmospheric/non-immersion service)

- Remove all surface contaminants, oil and grease in accordance with SSPC SP-1
 - Abrasive blast with an angular abrasive to an SSPC SP-6 cleanliness or higher. Achieve a surface profile of 3.0 mils (76 µm) or higher
 - Ensure surface is dust free after blasting
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Non-ferrous metals

- Abrasive blast in accordance with SSPC SP-16 guidelines
 - Abrasive blast with non-metallic abrasive
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Wood

- The surface must be properly prepared, dry, clean and free of any contamination
 - The use of primers on porous surfaces is recommended to reduce the chance of pin holing
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SYSTEM SPECIFICATION

- Primers for Carbon Steel: PPG AQUATAPOXY® 190 Primer, PPG PW-1 Primer
 - Primers for non-ferrous metals: PPG PW-1 Primer
 - Primers for wood/fiberglass: PPG VF20 Primer
 - Tie-Coat: PPG RAVEN® 161 Primer
 - Recommended DFT for Concrete: 80-100 mils (2.0-2.5 mm)
 - Recommended DFT for Steel (Carbon): 60-80 mils (1.5-2.0 mm)
 - Recommended DFT for High Abrasion Service: 60-80 mils (1.5-2.0 mm)
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INSTRUCTIONS FOR USE

- Application requires use of a heated plural component pump with impingement gun.
 - Pump must be specifically designed for fast-set polyurea application, and capable of maintaining the specified temperature and dynamic pressure during application.
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Mixing ratio by volume: 1:1 (Part A to Part B)

- Prior to mixing, the temperature of Part A and Part B should each be at least 70°F (21°C)
 - Mixer diameter should be 1/3 of the diameter of the container
 - Part B component must be thoroughly agitated prior to use
 - Mix Part B using three-tier, collapsible blade power mixer through the center bung hole
 - Mix for at least 30 minutes prior to processing
 - Properly mixed material will be a uniform color without light or dark spots
 - For recommended application instructions, see working procedure
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Application

- Apply in a uniform manner to desired thickness
- Application thickness is determined by spray gun configuration and speed of application

Airless spray – Plural component

- Material requires heated plural component spray set-up with impingement gun
- Material supply capacity should be 4 times the material output of the selected spray gun configuration
- Heated hoses are recommended
- Processing equipment should be capable of maintaining set temperatures and pressure at rest and during operation

ADDITIONAL DATA

Spreading rate and film thickness	
DFT	Theoretical spreading rate
60.0 mils (1524 µm)	27 ft ² /US gal (0.7 m ² /l)
80.0 mils (2032 µm)	20 ft ² /US gal (0.5 m ² /l)
100.0 mils (2540 µm)	16 ft ² /US gal (0.4 m ² /l)

Additional drying/curing details		
Substrate temperature	Tack free time	Gel time
72°F (22°C)	3 - 4 seconds	2 - 3 seconds

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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