

AMERCOAT® 4800

DESCRIPTION

Glass flake polyester coating

PRINCIPAL CHARACTERISTICS

- Meets the requirements of Norsok M-501 rev. 6, system 7A
- Excellent resistance to seawater immersion
- Resists many aggressive atmospheric environments
- Cures through a wide temperature range

COLOR AND GLOSS LEVEL

- White, light gray
- Flat

BASIC DATA AT 20°C (68°F)

Data for mixed product	
Number of components	Two
Mass density	1.2 kg/l (10.0 lb/US gal)
Volume solids	100%
Recommended dry film thickness	300 - 850 µm (12.0 - 34.0 mils)
Theoretical spreading rate	2.7 m ² /l for 300 µm (107 ft ² /US gal for 12.0 mils) 0.9 m ² /l for 850 µm (38 ft ² /US gal for 34.0 mils)
Dry to touch	5 hours
Full cure after	7 days
Shelf life	Base: at least 12 months when stored cool and dry Hardener: at least 6 months when stored cool and dry

Notes:

- A film shrinkage up to 20% can be expected, due to the specific reaction mechanism and depending on conditions
- Frequent temperature cycles may shorten the shelf life
- See ADDITIONAL DATA – Overcoating intervals
- See ADDITIONAL DATA – Spreading rate and film thickness

RECOMMENDED SUBSTRATE CONDITIONS AND TEMPERATURES

Steel

- Steel; remove all loose rust, dirt, oil and grease or other contaminants from surface
- Steel; blast cleaned to ISO Sa 2½ or SSPC-SP-10, blasting profile 50 – 75 µm (2.0 – 3.0 mils)



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Substrate temperature and application conditions

- Substrate temperature during application and curing should be above 10°C (50°F)
- Substrate temperature during application and curing should be at least 3°C (5°F) above dew point

INSTRUCTIONS FOR USE

Mixing ratio by volume: base to hardener 98.5:1.5

- Pre-mix base component with a pneumatic air mixer at moderate speeds to homogenize the container
- Add the hardener while stirring the base

Pot life

1 hour at 20°C (68°F)

Note: The pot life will vary substantially with temperature

Application

- Never add any solvent
- Never add the hardener without continuous stirring
- Never add more than the recommended amount of hardener

Airless spray

- AIRLESS PUMP 45:1 or greater, fit leather or FPTE seals and remove fluid filters, 10 mm diameter (0.375 in) nylon-lined hoses, large-bore gun with 0.6 to 1.5 mm (0.024 to 0.059 in) reverse clean tip
- Typical tip size is 0.75 – 0.85 mm (0.030 – 0.033 in) with reverse clean and 45° fan
- The size of tip and fan pattern will vary with the nature of the work
- Pressure to suit hose lengths and working conditions (circa 200 bar)

Cleaning solvent

THINNER 50-02

ADDITIONAL DATA

Spreading rate and film thickness

DFT	Theoretical spreading rate
300 µm (12.0 mils)	2.7 m ² /l (107 ft ² /US gal)
600 µm (24.0 mils)	1.3 m ² /l (53 ft ² /US gal)
850 µm (34.0 mils)	0.9 m ² /l (38 ft ² /US gal)

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Overcoating interval for DFT up to 850 µm (34.0 mils)

Overcoating with...	Interval	20°C (68°F)
itself	Minimum	5 hours
	Maximum	3 days

Notes:

- The maximum recoating time will reduce significantly at high temperature or in strong sunlight
- Please contact your PPG representative for more details

SAFETY PRECAUTIONS

- This is a solvent-borne paint and care should be taken to avoid inhalation of spray mist or vapor, as well as contact between the wet paint and exposed skin or eyes

WORLDWIDE AVAILABILITY

It is always the aim of PPG Protective and 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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