

Amercoat 214

DESCRIPTION

Ablative Antifouling

PRINCIPAL CHARACTERISTICS

- Low VOC
- High cuprous oxide content
- High durability for long service life in normal fouling conditions
- Recommended for up to 36 months service

COLOR AND GLOSS LEVEL

- Red, black, blue
- Flat

BASIC DATA AT 20°C (68°F)

Data for mixed product	
Number of components	One
Volume solids	52 ± 3%
VOC (Supplied)	max. 399.0 g/l (approx. 3.3 lb/US gal)
Recommended dry film thickness	3.0 - 4.0 mils (75 - 100 µm) per coat
Theoretical spreading rate	208 ft ² /US gal for 4.0 mils (5.1 m ² /l for 100 µm)
Shelf life	At least 36 months when stored cool and dry

RECOMMENDED SUBSTRATE CONDITIONS AND TEMPERATURES

- Coating performance is, in general, proportional to the degree of surface preparation.
- Refer to surface preparation instructions for the specific primer. Amercoat 214 should be applied over approved epoxy anti-corrosive coatings when the epoxy has cured to a tack-free condition but still malleable to finger-tip pressure.
- Ambient temperature during application and curing should be between 20°F (-7°C) and 122°F (50°C)
- Surface temperature should be between 20°F (-7°C) and 122°F (50°C)
- Relative humidity during application and curing should not exceed 85%.

SYSTEM SPECIFICATION

- Product is typically applied in 2-3 coats at 3.0-4.0 mils per coat depending on the operational characteristics and desired service life.
- Mix with a pneumatic air mixing at moderate speeds to homogenize the container



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Application

Material temperature

Material temperature during application should be between 40°F (4°C) and 90°F (32°C)

Air spray

- Use standard conventional equipment
- Hoses should normally be kept as short as possible
- Ensure there is a moisture and oil trap in the main air line

Recommended thinner

THINNER 91-82 (AMERCOAT T-10)

Volume of thinner

0 - 10%

Nozzle orifice

approx. 0.070 – 0.079 in (1.7 – 2.0 mm)

Airless spray

- 30:1 pump or larger
- Hoses should normally be kept as short as possible

Recommended thinner

THINNER 91-82 (AMERCOAT T-10)

Volume of thinner

0 - 10%

Nozzle orifice

0.021 – 0.025 in (approx. 0.53 – 0.64 mm)

Nozzle pressure

2000 - 2500 p.s.i. (approx. 138 - 173 bar; 13.8 - 17.2 MPa)

Brush/roller

- Spray application is recommended as the best method to obtain a closed film within the film thickness limits. Rolling may leave visible patterns in the film. A short nap, solvent resistant roller is required.

Recommended thinner

Thinner 91-82 (Amercoat T-10)

Volume of thinner

Up to 5% THINNER can be added if desired



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Cleaning solvent

THINNER 90-58 (AMERCOAT 12)

ADDITIONAL DATA

Spreading rate and film thickness	
DFT	Theoretical spreading rate
1.0 mils (25 µm)	834 ft ² /US gal (20.4 m ² /l)
4.0 mils (100 µm)	208 ft ² /US gal (5.1 m ² /l)

Overcoating interval for DFT up to 4.0 mils (100 µm)					
Overcoating with...	Interval	32°F (0°C)	50°F (10°C)	70°F (21°C)	90°F (32°C)
itself	Minimum	12 hours	8 hours	4 hours	2 hours
	Refloating - Minimum	24 hours	12 hours	6 hours	4 hours
	Maximum	Extended	Extended	Extended	Extended

Note: A 1,500 psi fresh water wash is recommended to remove the leach layer prior to over-coating after service.

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
- For paint and recommended thinners see INFORMATION SHEETS 1430, 1431 and relevant Material Safety Data Sheets

REFERENCES

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Packaging : Available in 5-gallon containers

Product code	Description
AT214-41	Blue
AT214-74	Red
AT214-91	Black

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