



Amercoat[®] 240

Amercoat 240 Universal Epoxy has been developed as a truly versatile, high performance epoxy coating that can be applied to most any area of marine vessels and over a wide range of climate conditions. In addition, Amercoat 240 is suitable for use in a range of military maintenance applications.

Traditional coatings tend to shrink on curing and to pull away from any sharp edges, weld seams in a structure, leaving only about 25% of the original thickness applied. This results in less coating thickness and barrier properties on these areas. Therefore, sharp edges, weld seams are typically areas of early coating failure due to corrosion. With over 70% retention on sharp edges, Amercoat 240 provides superior barrier properties and long-term reliable performance.

Key Features and Benefits:

- Excellent edge retention
- Exceptional corrosion protection in salt and fresh water immersion and corrosive chemical environments
- Surface tolerant, lowers the cost of surface preparation
- Ease of Application
- Low temperature cure down to 0°F (-18°C) without additives or alternate curing agents
- Fast dry-to-recoat and rapid handling properties
- High-build (up to 12 mils) in one coat
- Abrasion resistant

Approvals:

Customer Name	Specification Number	Status
Marintek	Class B1 for Ballast Water Tanks	Approved
Lloyd's Register	MATS/3403/1	Approved
ABS	IMO PSPC Ballast Water Tank	Approved
NAVSEA	MIL-PRF-24647	Approved
NAVSEA	MIL-PRF-23236 Ballast Tank, Wet/Dry Void Spaces	Approved

Commercial Uses:

For use in most tanks, interior and exterior application aboard any vessel.

Physical Properties:

Property	Method	Result
Density	ASTM D3574	13.1 lb/gal; 1558.5 g/L
VOC (Blended 1/1 by volume)	Method 24, Section 11.2	1.2 lb/gal; 145 g/L
Specific Gravity	ASTM D3574	1.571
Components		2
Shelf Life @ ambient temps		1 year
Flash Point	Resin	Pensky-Maartens Closed Cup
	Cure	
		138° F
		122° F
Percent Solids	ISO 3233	87% +/- 3%
DFT per coat		4-12 mils (100-300 microns)
Coats		1-2

Typical Application Properties:

Apply over	Steel, Aluminum, & Concrete
Surface Preparation	Properly prepared zinc pre-construction primer Steel – SSPC-SP2, SP3, SP7 Aluminum - Alodine, Alumiprep or light blasting
Application Method	Airless and Conventional Spray; Brush; Roller
Air & Surface Temperature	20° – 122° F*
Material Temperature	50° – 80° F
Air Humidity	20% – 80% RH
Mix Ratio (Resin/Cure)	4/1 by volume
Induction Time	15 minutes @ 70°F
Pot Life	60 minutes @ 80°F
Cure/Dry Time	Tack Free: 5 hours @ 70°F; Handle: 8 hours @ 70°F; Full Cure: 7 days @ 70°F; Recoat Min.: 5 hours @ 70°F; Recoat Max.: 6 months @ 70°F

* Surface temperature must be at least 5°F above dew point to prevent condensation

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