

ENVIRO-ARMOR C-BLUE

THIXOTROPIC RUST PREVENTIVE COATING

▷ PRODUCT DESCRIPTION

Enviro-Armor C-Blue is a petroleum based, thixotropic rust preventive coating which provides excellent protection of parts in harsh environments. The thixotropic chemistry provides a fluid consistency during agitation, which allows for easier application and transitions through a self-healing phase to form a set coating on the newly protected part. Enviro-Armor C-Blue is truly an excellent rust preventive coating for long-term protection against corrosion. It is formulated with very low VOC content and no HAPs for compliance with tight emissions regulations.

▷ FEATURED BENEFITS

- Long term indoor and covered outdoor protection against rust and corrosion for ferrous and non-ferrous parts in wet, corrosive or acidic environments
- Thixotropic properties allow for application by spray methods when agitated, with little or no dripping after applied to the part
- Blue color for easy identification
- Easily removed in hot, alkaline wash
- High flash point for safe application
- Low odor non irritating formulation for good operator acceptance
- Excellent long term protection in salt spray environments
- Barium free formula
- Lubricating characteristics

▷ APPROVALS

- CAT 1E 4973 Long Term Corrosion Inhibitor Certified (Up to 5 years indoor warehouse storage)
- Super-compliant for California SCAQMD Rule 1144

APPLICATION



COMPATIBLE METALS

Carbon Steel
Stainless Steel
Cast Iron
Aluminum

TYPICAL APPLICATIONS

Machined Parts
Steel Plate
Parts Storage



ENVIRO-ARMOR C-BLUE

TECHNICAL DATA



TYPICAL PROPERTIES

Fluid Type		Oil based
Appearance		Blue thixotropic gel
Film Type		Blue greasy film
Specific Gravity, 60°F (15.6°C)		0.9288
Weight, 60°F (15.6°C)		7.75 lbs/gal.
Flash Point	ASTM D 93	>350°F (>177°C)
Brookfield Viscosity Unworked cPs Spindle 6, 10 RPM @ 77°F		Typical 15,000 – 50,000
Brookfield Viscosity Worked cPs Spindle 6, 10 RPM @ 77°F (25°C)		Typical 3,000 – 14,000
VOC	EPA Method 24	<0.09 grams/liter
VOC	ASTM E 1868	<10.7 grams/liter

PROTECTION PROPERTIES

	Test	Dry Film Thickness	20 Ra (Smooth) 1010 Carbon Steel Panels
Shed storage (unheated)	Illinois, USA	5 mil (127 µ)	5 years
Humidity	ASTM D 1748	5 mil (127 µ)	2,000 hours
Water Fog	ASTM D 1735	5 mil (127 µ)	1,500 hours
Salt Fog	ASTM B 117	5 mil (127 µ)	1,000 hours
Cyclic	SAE J 2334	5 mil (127 µ)	500 hours

PRODUCT APPLICATION / USAGE

Maximum performance of Enviro-Armor C-Blue can be achieved only when the metal surfaces are clean, free of rust, oil, and mill scale. The metal substrate should be at a temperature of 50° to 95°F (10° to 35°C) at the time of product application.

PRODUCT CODE

50111B0000

HEALTH AND SAFETY

For health and safety guidance, please refer to the Chemtool SDS (Safety Data Sheets).