

# 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

- Satisfies CAT IE4973 RP Long Term Indoor Storage RP (Up to 5 years indoor warehouse storage)
- 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

### APPLICATION



#### COMPATIBLE METALS

Carbon Steel  
Stainless Steel  
Cast Iron  
Aluminum

#### TYPICAL APPLICATIONS

Machined Parts  
Steel Plate  
Parts Storage





## 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, lb/gal., 60°F (15.6°C)	7.72
Flash Point (ASTM D93)	> 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
VOC grams/ liter (ASTM E 1868)	< 10.7

## PROTECTION PROPERTIES

	Test	DFT	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)	2000 hours
Water Fog	ASTM D 1735	5 mil (127 µ)	1500 hours
Salt Fog	ASTM B117	5 mil (127 µ)	1000 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 – 95°F (10 – 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).