



General Industrial Coatings

MIL-DTL-11414F Fast Dry Alkyd Primer Red Q2195

Red.....E90R351

DESCRIPTION

E90R351 is a single component, corrosion-inhibiting primer for use on steel ammunition surfaces. This product may be top coated or this product may be used without a top coat. This product is for spray application. This product conforms to the requirements of MIL-DTL-11414F. This product is assigned the qualification number 97E07 as a non-HAP version of MIL-DTL-11414F. Qualification is granted by the U.S. Army Research Laboratory (ARL).

Advantages:

- Fast dry
- Recoatable with enamel
- Formulated to be non-HAP

CHARACTERISTICS

60° Gloss: 2-6

Volume Solids: 55-56 ± 2 %

Weight Per Gallon: 12.0-12.4 Lbs/Gal

Viscosity (at 77° F, Stormer Viscosity):
As Supplied 75-85 KU
Reduced 10% (vol.) with MAK 63 KU Typical
70 KU Maximum

Recommended Film Thickness:
Mils Wet 1.8-2.7
Mils Dry 1.0-1.5

Spreading Rate (no application loss):
890 ft.²/gal. at 1.0 mil DFT

Cure:
Air Dry

Air Drying: 1.0 mil DFT at 77° F, 50% RH
Dry Hard 12 minutes

Flash Point:
As Supplied (Pensky Martens Closed Cup) 102° F
Reduced 10% with MAK (Tag Closed Cup) 59° F

Air Quality Data:
Volatile Organic Compounds (VOC), Less Exempts
As Supplied 3.0 lb/gal, 365 g/L
Reduced 10% with MAK 3.38 lb/gal, 404 g/L

Recommended Storage: Inside, sealed container, 40-120° F, no freeze hazard. Protect from moisture.

Package Life: 1 year, unopened

SPECIFICATIONS

General: All substrates should be free of mold release, oil, grease, dirt, fingerprints, drawing compounds, surface passivation treatments and any other contaminants to ensure optimum adhesion and coating performance. Consult MIL-DTL-53072 and TT-C-490 for metal preparation requirements and additional details.

* VOC Compliance limits vary from state to state; please consult local Air Quality rules and regulations.

An Environmental Data Sheet is available from your local Sherwin-Williams facility or at www.PaintDocs.Com.

Testing: The information, data, and recommendations set forth in this Product Data Sheet are based upon test results believed to be reliable. However, due to the wide variety of substrates, substrate properties, surface preparation methods, equipment and tools, application methods, and environments, the customer should test the complete system for adhesion, compatibility and performance prior to full scale application.

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APPLICATION

Typical Setups

Reduction: Reduce 10% (by volume) with R6K30 (Methyl n-Amyl Ketone).

May be applied by: Conventional Spray
Airless Spray
Air Assisted Airless Spray
HVLP Spray

Please consult with your Sherwin-Williams sales representative for proper settings for your spray equipment.

Equipment/application guidelines are only guidelines and individual application & process parameters will dictate exact requirements.

Cleanup: Clean tools/equipment immediately after use with toluene, xylene or lacquer thinner.

Follow manufacturer's safety recommendations when using any solvent.

ADDITIONAL INFORMATION

1. Product must be applied over properly prepared substrates.
2. Product should be applied at a dry film thickness of 1.0-1.5 mils.

Performance Properties

Meets all the requirements of MIL-DTL-11414.

CAUTIONS

FOR INDUSTRIAL SHOP APPLICATION ONLY

Thoroughly review the product label and Safety Data Sheet (SDS) for safety information and cautions prior to using this product.

To obtain the most current version of the Environmental Data Sheet (EDS), Product Data Sheet (PDS), or Safety Data Sheet (SDS) please visit your local Sherwin-Williams facility or www.PaintDocs.Com.

Please direct any questions or comments to your local Sherwin-Williams facility.

Note:

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