

# Environmental Protective Coatings, Inc.

2035 Regency Road, Suite5, Lexington, Kentucky,40503  
Phone: (859) 277-0014 Fax: (859) 278-4973 Email: homerhartepc@aol.com

## Product Information:

### **E-401 PRIME CURE [RED] STEEL OVERCOAT SYSTEMS™**

**A MOISTURE CURE POLYURETHANE NON-LEAFING ALUMINUM PRIMER**

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STEEL OVERCOAT SYSTEMS E-401 IS AN ECONOMICAL, ONE COMPONENT, MOISTURE CURE, HIGH CONTENT NON-LEAFING ALUMINUM, HIGH SOLIDS, AND ENVIRONMENT FRIENDLY PRIMER.

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**COLOR:** SILVER FINISH: FLAT

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**CHEMICAL FAMILY:** POLY ISOCYANATE - PREPOLYMER

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**USES:** STEEL OVERCOAT SYSTEMS E-401 IS EXCELLENT FOR OVERCOATING STRUCTURAL STEEL AND OTHER METAL SURFACES WHEN LITTLE PREPARATION IS DESIRED. TO ACCOMMODATE FIRST STAGE ENCAPSULATION OF RUST, CORROSION AND OLD LEAD PAINT. STEEL OVERCOAT SYSTEMS E-401 ELIMINATES THE NEED FOR SAND BLASTING WHEN 4000+ PSI WATER DURING AND A REASONABLE AMOUNT OF POWER. AND HAND TOOL CLEANING IS DONE. STEEL OVERCOAT SYSTEMS E-401 ABILITY TO ENCAPSULATE OLD PAINT AND RUST IS ENHANCED WHEN A SECOND COAT IS USED BEFORE TOP COATING. STEEL OVERCOAT SYSTEMS E-401 MUST BE TOP COATED IN EVERY INSTANCE, DUE TO PRIMERS LACK OF LIGHT STABILIZERS. STEEL OVERCOAT SYSTEMS E-401 AFFORDS HIGH RESISTANCE TO CORROSION, MOISTURE, CHEMICALS, ABRASION AND UNDERCUTTING.

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#### **SURFACE PREPARATION:**

SURFACES MUST BE FREE FROM ALL MOISTURE, DIRT, OIL, GREASE AND OTHER CONTAMINANTS. FOR BEST RESULTS, POWER WASH AND TOOL CLEAN, THEN BRUSH FIRST COAT OVER SUBSTRATE BEFORE APPLYING SECOND COAT WITH BRUSH, ROLLER OR SPRAY.

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**Website:** <http://www.enviroprotectcoatings.com>

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### PRODUCT TECHNICAL DATA:

WEIGHT SOLIDS: 69.0 +. 2.0 %.  
WEIGHT PER GAL: 9.6 LBS. PER GAL.+0.2 LBS. PER GAL.  
VOLUME SOLIDS: 59.19 % I- 1.5 %  
VOC LBS. PER GAL: 2.71 LBS. GRAMS PERIL 322.1  
RECOMMENDED D.F.T.: 2 - 3 MILS DRY.

### CURING TIME:

TO TOUCH 3 HRS.  
TO HANDLE 3-4 HRS.  
TO RECOAT 4 HRS. @ 77 F. @ 50% R. HUMIDITY.  
TO RECOAT IN BELOW NORMAL TEMP- 24 HRS.

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**STORAGE LIFE:** ONE YEAR @ 77 F. (25 C)

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**APPLICATION PROCEDURES:** PREPARE PRODUCT BY THOROUGHLY STIRRING, MAKING SURE NO PIGMENTS STAY ON BOTTOM. KEEP PRODUCT CONTAINER CLOSED WHEN NOT USING, SINCE PRODUCT REACTS TO MOISTURE. DO NOT THIN, SINCE VISCOSITY WILL REMAIN CONSTANT WHEN CONTAINER STAYS CLOSED. APPLY WITH BRUSH, SPRAY OR ROLLER

### AIRLESS SPRAY:

**USE TIP SIZE** 0.017 OR 0.013. HOSE SIZE: 114 TO 318 INCH.  
**FILTER:** USE 60 MESH.

### RECOAT TIME:

FOR COLD WEATHER APPLICATION, A LONGER DRYING TIME IS RECOMMENDED, A MINIMUM OF NO LESS THAN 24 HRS. WARM TO HOT WEATHER RECOAT TIME MAY BE SHORTENED TO AS LITTLE AS 4 HRS. \*MUST BE RECOATED WITHIN 5 DAYS\*. SURFACE TEMPERATURE MUST BE AT LEAST FIVE (5 ) DEGREES ABOVE DEW POINT BEFORE APPLICATION. FOR ADDITIONAL INFORMATION, CONTACT MANUFACTURER.

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### COVERAGE RATES:

5.5 MILS WET FILM THICKNESS = 175 SQ. FT. PER GAL.

5.0 MILS WET FILM THICKNESS = 195 SQ. FT. PER GAL.

4.5 MILS WET FILM THICKNESS = 210 SQ. FT. PER GAL.

4.0 MILS WET FILM THICKNESS = 235 SQ. FT. PER GAL.

3.5 MILS WET FILM THICKNESS = 275 SQ. FT. PER GAL.

3.0 MILS WET FILM THICKNESS = 315 SQ. FT. PER GAL.

2.5 MILS WET FILM THICKNESS = 375 SQ. FT. PER GAL.

2.0 MILS WET FILM THICKNESS = 475 SQ. FT. PER GAL.

1.0 MILS WET FILM THICKNESS = 946 SQ. FT. PER GAL.

### SAG RESISTANCE:

NO SAG ON LENATA DRAWDOWN SCALE THROUGH 6 WET MILS.  
1/32 DRAG @ 8 MILS WET.

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### CLEANUP:

USE (XYOL) XYLENE TO FLUSH AND CLEAN IMMEDIATELY AFTER  
EQUIPMENT USE. DO NOT ALLOW MOISTURE OR ALCOHOL NEAR PRODUCT  
OR EQUIPMENT.

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**SAFETY PROCEDURES:** SEE MSDS Sheet

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