

Environmental Protective Coatings, Inc.

2035 Regency Road, Suite5, Lexington, Kentucky,40503

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Product Information:

E-400 PRIME CURE STEEL OVERCOAT SYSTEMS™ A MOISTURE CURE POLYURETHANE NON-LEAFING ALUMINUM PRIMER

STEEL OVERCOAT SYSTEMS E-400 IS AN ECONOMICAL, ONE COMPONENT, ENVIRONMENT FRIENDLY MOISTURE CURE PRIMER OF HIGH SOLID NON-LEAFING ALUMINUM.

COLOR: SILVER

FINISH: FLAT

CHEMICAL FAMILY: POLY ISOCYANATE - PREPOLYMER

USES:

STEEL OVERCOAT SYSTEMS E-400 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-400 ELIMINATES THE NEED FOR SAND BLASTING WHEN 4000+ P.S.I. WATER BLASTING AND A REASONABLE AMOUNT OF POWER AND HAND TOOL CLEANING IS DONE. STEEL OVERCOAT SYSTEMS E-400'S ABILITY TO ENCAPSULATE OLD PAINT AND RUST IS ENHANCED WHEN A SECOND COAT IS USED BEFORE TOP COATING. STEEL OVERCOAT SYSTEMS E-400 MUST BE TOP COATED IN EVERY INSTANCE, DUE TO PRIMERS LACK OF LIGHT STABILIZERS. STEEL OVERCOAT SYSTEMS E-400 AFFORDS HIGH RESISTANCE TO CORROSION, MOISTURE, CHEMICALS, ABRASION AND UNDERCUTTING.

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.

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 % +- 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.

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

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:	1/4 TO 3/8 INCH.
FILTER:	USE 60 MESH.

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RECOAT TIME:

FOR COLD WEATHER APPLICATION, A LONGER DRYING TIME IS RECOMMENDED, A MINIMUM OF NO LESS THAN 24 HRS. FOR 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.

COVERAGE RATES:

SPRAY, BRUSH OR ROLLER:

WET MILLS 3.5 = 2.5 MILS DFT=APPROX: 425 SQ. FT. PER GALLON

WET MILLS 4.5=3.0 MILS DFT= APPROX: 360 SQ. FT. PER GALLON
FOR HIGH BUILD-SPRAY ONLY:

WET MILLS 7.5 = 5.0 MILS DFT = APPROX: 225 SQ. FT. PER GALLON

WET MILLS 6.0 4.0 MILS DFT = APPROX: 275 SQ. FT. PER GALLON

WET MILLS 4.5 = 3.0 MILS DFT = APPROX: 375 SQ. FT. PER GALLON
SAG RESISTANCE:

NO SAG ON LENATA DRAWDOWN SCALE THROUGH 6 WET MILS.

1/32 DRAG @ 8 MILS WET.

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

SAFETY PROCEDURES: SEE MSDS Sheet

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