

# **Environmental Protective Coatings, Inc.**

2035 Regency Road, Suite 5, Lexington, Kentucky, 40503

Phone: (859) 277-0014 Fax: (859) 278-4973 Email: [homerhartepc@aol.com](mailto:homerhartepc@aol.com)

## **Product Information:**

### **E-600 STEEL OVERCOAT SYSTEM**

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**ENVIROSHIELD 600 FINISH COAT IS A TWO COMPONENT TOP COAT.**

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**FINISH:** HIGH LUSTER.

**COLOR:** CUSTOM COLORS AVAILABLE.

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#### **USES:**

ENVIROSHIELD 600 FINISH COAT IS AN EXTRAORDINARY HIGH STRENGTH, HIGH GLOSS LONG LASTING TOP COAT.

ENVIROSHIELD 600 IS HIGHLY RESISTANT TO CHEMICAL CONTACT, WET WEATHER CONDITIONS, ABRASION, CORROSIVE FUMES, AND

UVRS. ENVIROSHIELD 600 IS EXCELLENT FOR TOP COATING

USE ENVIROSHIELD 400 PRIMER AS A SEALER AND ENVIROSHIELD 500 MID COAT WHEN A MID COAT MAY BE SPECIFIED.

ENVIROSHIELD 600 FINISH COAT IS AN EXCELLENT TOP COAT FOR PRIMERS AND MID COATS FOR STRUCTURAL STEEL SUCH AS BRIDGES, TANKS, AND TOWERS. U.S.D.A. APPROVED FOR FOOD ESTABLISHMENTS.

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#### **SURFACE PREPARATION:**

SURFACES MUST BE FREE FROM ALL MOISTURE, DIRT, OIL, GREASE AND ALL OTHER CONTAMINANTS. WATER BLASTING IS RECOMMENDED.

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#### **PRODUCT DESCRIPTION:**

ENVIROSHIELD 600 IS A TWO COMPONENT, TWO PACKAGE COATING-**PRODUCTS [A] AND [B].**

**PRODUCT [A]** CONTAINS HYDROXYL POLYACRYLATE RESIN

**PRODUCT [B]** CONTAINS CURING AGENT ALIPHATIC POLYISOCYANATE RESIN BASED ON HEXAMETHYLENE DIISOCYANATE.

#### **MIXING:**

VOLUMETRIC MIX IS 5.66-TO 1 BASE CONVERTER.

STIR WELL PART (A) BEFORE ADDING PART [B]

WHILE STIRRING, ADD PART [B] AND CONTINUE TO STIR WELL.

KEEP UNUSED PRODUCT COVERED SINCE PART [B] REACTS TO MOISTURE.

**THINNING:** NOT RECOMMENDED

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

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### POT LIFE:

1 HR. @ 100 DEGREES F. AND @ 90 % R. HUMIDITY, USABLE.

2 HRS. @ 78 DEGREES F AND @ 50% R. HUMIDITY, USABLE.

3 HRS. @ 78 DEGREES F AND @ 48 % R. HUMIDITY, USABLE.

### PRODUCT TECHNICAL DATA:

WEIGHT PER GAL: 11.57 +- 0.23 LBS.

WEIGHT SOLIDS: 75 % +- 1.50 %

VOLUME SOLIDS: 61.67 % +- 1.5 %

VOC: 333 GRAMS PER LITER OR 2.78 LBS. PER GAL.

VOC COMPOUNDS: 225-230 (UN THINNED)

**STORAGE LIFE:** ONE [1] YEAR.

**VISCOSITY:** STORMIER MTR. ASTM D 562-85 INITIAL 73 KU AFTER 1 HR. 80

KU -AFTER 5 HRS. 94 KU

### CURING TIME:

TO TOUCH : 3 1/2 HRS.

TO HANDLE : 5-6 HRS.

TO RECOAT : 8 HRS. @ 25 C. @ 50 % HUM

TO HARD DRY : 16 1/2 HRS

TO MAR-FREE: 25 HRS. C.

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### APPLICATION: cont

SAG RESISTANCE RECOMMENDED FILM THICKNESS  
LENATA DRAWDOWN 2.5-4.0 MILS DRY 3.5-5.5 WET  
NO SAG ® 1.0 MIL  
1.0 MIL D.F.T. 946 SQ. FT. PER GAL.  
NO SAG 0 2.5 MILS  
1.5 MIL D.F.T. 630 SQ. FT. PER GAL.  
NO SAG 0 3.4 MILS  
2.0 MIL D.F.T. 473 SQ. FT. PER GAL.  
NO SAG 0 4.25 MILS  
2.5 MIL D.F.T. 378 SQ. FT. PER GAL.  
NO SAG 0 5.0 MILS  
3.0 MIL D.F.T. 315 SQ. FT. PER GAL.  
SAG 0 6.0 MILS  
3.5 MIL D.F.T. 270 SQ. FT. PER GAL.  
SAG 0 6.75 MILS  
4.0 MIL D.F.T. 235 SQ. FT. PER GAL.  
SAG 0 7.0 MILS  
4.5 MIL D.F.T. 210 SQ. FT. PER GAL.  
SAG 0 7.75 MILS  
5.0 MIL D.F.T. 190 SQ. FT. PER GAL.

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### CAUTION:

SURFACE TEMPERATURE MUST BE AT LEAST FIVE (5) DEGREES F. ABOVE DEW POINT BEFORE APPLICATION. DO NOT APPLY UNDER 40 D. F. OR OVER 95 D. F.

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**SAFETY PROCEDURES:** SEE MSDS Sheet

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### EQUIPMENT:

APPLY WITH BRUSH, SPRAY OR ROLLER AIRLESS SPRAYER USE TIP SIZE 0.009 OR 0.013

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### CLEANUP:

USE MEK OR A BLEND OF MEK 0 20%, PM ACETATE 0 30 % AND AROMATIC 100 0 50 % FOR

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