



PPG Coil Coatings Product Data Sheet

PPG INDUSTRIES, INC., COATINGS AND RESINS, 125 COLFAX STREET, SPRINGDALE, PENNSYLVANIA 15144

Product: ENVIRON® ST for steel

Location: Springdale, PA

Suggested Use: A water based acrylic paint designed for roll coat application over properly cleaned, pretreated and primed steel substrates.

PRODUCT DESCRIPTION (As Shipped)

Viscosity: 35 to 45 Sec.# 2 Zahn cup@ 80°F (26.7°C)

Flash Point 120°F (49°C) (Pensky-Martens)

Lead Content: <.06 % (Lead Metals as % Non Volatile)

VOC = 1-2 lbs/gal +/- 0.5 depends on colors
(119 - 240 gm/lit.)

Wt/Gal. 9.5 - 11.5 lbs. (1.14 - 1.37 kg./lit.)

Contains Lubricant Yes

Ph: 7 - 9

Whites & Pastels

Mid-tone & Dark Colors

Theoretical Solids by Wt %

54% +/- 2%

52% +/- 1.5%

Theoretical Solids by Vol %

46% +/- 2%

44% +/- 1.5%

Theoretical Coverage/Gal at .8 mil per Sq. ft

880 - 970

850 - 920

Theoretical Coverage/Gal at 20 Microns per Sq. M

9472 - 10540

9150 - 9900

PHYSICAL PROPERTIES

Gloss: 12-30 @ 60° / N/A @ 85°

Hardness: HB Minimum Eagle Turquoise

Film Thickness: .70 -.80 mils Dry
(18 - 20 Microns Dry)

1.63 - 2.00 mils Wet
(41 - 51 Microns Wet)

Cure Test: 50+ Double MEK Rubs

Reverse Impact: 40 in-lbs No Pickoff (461 m - gm)

Flexibility: 2T Bend: No pickoff

SUGGESTED APPLICATION DATA

Substrate: HDG, GALVALUME®, ZINCALUME®

Reducer:

Surface Preparation: Properly Cleaned and/or Treated

Clean Up: Water followed by MEK

Primer: 1PMY5650

LABORATORY CURE*

Peak Metal Temperature 420°F (216°C)

Oven Temperature As Required

Substrate Time At Temperature: 5-10 seconds

**Peak metal temperature may vary due to dwell time. Line oven temperature and dwell time must be correlated with laboratory cure schedule.*

NOTE: Statements and methods described herein are based upon the best information and practices known to PPG Industries, Inc. However, procedures for applications mentioned are suggestions only and are not to be construed as representations or warranties as to performance or results, nor does PPG Industries, Inc. warrant freedom from patent infringement in the use of any formula or process set forth herein.