



Protective & Marine Coatings
PRODUCT DATA SHEET



ENVIROLASTIC® 940 LV

POLYASPARTIC

Revised: December 10, 2019

PRODUCT DESCRIPTION

ENVIROLASTIC 940 LV is a high build, direct-to-metal polyaspartic coating that can be applied in a single coat. This fast drying, <250 g/l VOC formula reduces dirt pick up, improves productivity and can be applied at temperatures as low as 35°F (5°C).

- Single coat application
- Direct to metal
- Corrosion resistant
- High film build in one coat
- No gassing
- Outstanding application properties
- Fast cure

INTENDED USES

- Replaces conventional epoxy/urethane systems
- Acceptable for use in high performance architectural applications
- Ideal for maintenance or new construction applications
- Suitable for use in the Mining & Minerals Industry
- Direct to properly prepared steel and galvanizing in industrial environments

PRODUCT DATA

Finish:	Semi-Gloss
Color:	Extra White and Ultradeep tint bases Safety Yellow, Safety Red, Black Wide Range of custom colors available
Volume Solids:	71% ± 2%, mixed, may vary by color
VOC (EPA Method 24):	220 g/L; 1.84 lb/gal, mixed/unreduced may vary by color
Mix Ratio:	2:1 by volume
Typical Thickness:	

Recommended Spreading Rate per coat:

	Minimum	Maximum
Wet mils (microns)	9.0 (225)	13.0 (325)
Dry mils (microns)	6.0 (150)	9.0 (225)
~Coverage sq ft/gal (m ² /L)	127 (3.2)	190 (4.7)
Theoretical coverage (m ² /L) @ 1 mil / 25 microns dft	1139 (28.4)	

NOTE: Brush or roll application may require multiple coats to achieve maximum film thickness and uniformity of appearance.

Shelf Life:	Part A: 24 months, unopened Part B: 12 months, unopened Store indoors at 40°F (4.5°C) to 100°F (38°C).
Flash Point:	109°F (42°C), mixed Seta Flash
Reducer / Clean Up:	Reducer R7K216, M.E.K., Reducer #111
Weight:	11.4 ± 0.2 lb/gal ; 1.4 Kg/L, mixed may vary by color

Average Drying Times @ 10.0 mils wet (250 microns):				
	35°F (5°C)	50°F (10°C)	77°F (25°C)	120°F (49°C)
	<i>50% RH</i>	<i>50% RH</i>	<i>50% RH</i>	<i>50% RH</i>
Touch:	2.5 hours	2 hours	1 hour	30 minutes
Handle:	12.5 hours	5 hours	3 hours	2.5 hours
Recoat:				
minimum:	13 hours	5 hours	4 hours	2.5 hours
maximum:	3 months	3 months	3 months	3 months
Cure to service:	7 days	7 days	4 days	2 days
Pot Life:	3 hours	3 hours	2 hours (unreduced)	30 minutes
Sweat-in-time:	none required			
<i>If maximum recoat time is exceeded, abrade surface before recoating. Drying time is temperature, humidity, and film thickness dependent. Dry times vary by color</i>				

SURFACE PREPARATION

Surface must be clean, dry, and in sound condition. Remove all oil, dust, grease, dirt, loose rust, and other foreign material to ensure adequate adhesion.

Minimum recommended surface preparation:

Iron & Steel:	SSPC-SP6/NACE 3, 2 mil (50 micron) profile
Galvanizing:	SSPC-SP16, 2 mil (50 micron) profile



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APPLICATION	APPLICATION CONDITIONS																					
<p>Airless Spray</p> <p>Pump.....30:1 Gun.....Airless gun Pressure.....2200-2700 psi (152-186 bar) Hose.....1/4" ID (6.4 mm) Tip......517"-.521" (0.43-0.53 mm) Filter.....60 mesh Reduction.....As needed up to 5% by volume</p> <p>Conventional Spray</p> <p>Gun.....Binks 95 Cap.....63P Fluid Tip.....67 Atomization Pressure.....50-70 psi (3.4-4.8 bar) Fluid Pressure.....20-25 psi (1.4-1.7 bar) Reduction.....As needed up to 10% by volume</p> <p>Brush (small areas only)</p> <p>Brush.....Natural Bristle Reduction.....As needed up to 5% by volume</p> <p>Roller (small areas only)</p> <p>Cover.....1/4" woven with solvent resistant core Reduction.....As needed up to 5% by volume</p> <p>If specific application equipment is not listed above, equivalent equipment may be substituted.</p>	<p>Temperature (air, surface, material): 35°F (1.6°C) minimum, 120°F (49°C) maximum At least 5°F (2.8°C) above dew point</p> <p>Relative humidity: 85% maximum</p>																					
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	ADDITIONAL NOTES																					
	<p>Tint with Maxitoner colorants only into Part A Ultra Deep at 100% tint strength and 150% tint strength for Extra White. Five minutes minimum mixing on a mechanical shaker is required for complete mixing of color.</p> <p>Stripe coat all crevices, welds, and sharp angles to prevent early failure in these areas.</p> <p>When using spray application, use a 50% overlap with each pass of the gun to avoid holidays, bare areas, and pinholes. If necessary, cross spray at a right angle.</p> <p>Spreading rates are calculated on volume solids and do not include an application loss factor due to surface profile, roughness or porosity of the surface, skill and technique of the applicator, method of application, various surface irregularities, material lost during mixing, spillage, overthinning, climatic conditions, and excessive film build.</p> <p>Excessive reduction of material can affect film build, appearance, and adhesion.</p> <p>Do not apply the material beyond recommended pot life.</p> <p>Do not mix previously catalyzed material with new.</p> <p>Not intended for use with universal primers.</p> <p>In order to avoid blockage of spray equipment, clean equipment before use or before periods of extended downtime with M.E.K.</p> <p>Mixed coating is sensitive to water. Use water traps in all air lines. Moisture contact can reduce pot life and affect gloss and color.</p>																					
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<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 30%;">Dry Film Thickness / ct.</th> <th style="width: 30%; text-align: center;"><u>Mils</u></th> <th style="width: 40%; text-align: center;"><u>(Microns)</u></th> </tr> </thead> <tbody> <tr> <td>Steel:</td> <td></td> <td></td> </tr> <tr> <td>1 ct. Envirolastic 940 LV</td> <td style="text-align: center;">6.0-9.0</td> <td style="text-align: center;">(150-225)</td> </tr> <tr> <td>Galvanizing:</td> <td></td> <td></td> </tr> <tr> <td>1 ct. Envirolastic 940 LV</td> <td style="text-align: center;">6.0-9.0</td> <td style="text-align: center;">(150-225)</td> </tr> <tr> <td>Previously Painted Surfaces:</td> <td></td> <td></td> </tr> <tr> <td>1 ct. Envirolastic 940 LV</td> <td style="text-align: center;">6.0-9.0</td> <td style="text-align: center;">(150-225)</td> </tr> </tbody> </table> <p>Check Compatibility</p> <p>Other acceptable high performance primers are acceptable. Please consult with your Sherwin-Williams Representative.</p>	Dry Film Thickness / ct.	<u>Mils</u>	<u>(Microns)</u>	Steel:			1 ct. Envirolastic 940 LV	6.0-9.0	(150-225)	Galvanizing:			1 ct. Envirolastic 940 LV	6.0-9.0	(150-225)	Previously Painted Surfaces:			1 ct. Envirolastic 940 LV	6.0-9.0	(150-225)	
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WARRANTY																						
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