



Protective & Marine Coatings

PRODUCT DATA SHEET



ENVIROLASTIC® 940 LV

POLYASPARTIC

Revised: September 21, 2023

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 sq ft/gal (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 |
| Reducer¹: | VOC Restricted Areas (≤250 g/L): use R7K111 |
| Clean Up²: | R7K111 |
| Weight: | 11.4 ± 0.2 lb/gal ; 1.4 Kg/L, mixed may vary by color |

¹Other areas (>250 g/L): use R7K111, R7K216, or M.E.K. Choose a reducer that is compliant in your area. Confirm compliance with state and local air quality rules before use.

²Choose a cleaning solvent that is compliant in your area. Confirm compliance with state and local air quality rules before use.

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) |
|---|---------------|-------------|------------------------|--------------|
| | 50% RH | 50% RH | 50% RH | 50% RH |
| 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.</i> | | | | |
| <i>Drying time is temperature, humidity, and film thickness dependent.</i> | | | | |
| <i>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 | |
|--|-------------|------------------|--|--|
| Airless Spray 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 | | | 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 Relative humidity: 85% maximum | |
| Conventional Spray 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 | | | APPROVALS <ul style="list-style-type: none">Suitable for use in USDA inspected facilities | |
| Brush (small areas only) Brush.....Natural Bristle Reduction.....As needed up to 5% by volume | | | ADDITIONAL NOTES 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. Stripe coat all crevices, welds, and sharp angles to prevent early failure in these areas. 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. 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. Excessive reduction of material can affect film build, appearance, and adhesion. Do not apply the material beyond recommended pot life. Do not mix previously catalyzed material with new. Not intended for use with single component universal primers. In order to avoid blockage of spray equipment, clean equipment before use or before periods of extended downtime with M.E.K. Mixed coating is sensitive to water. Use water traps in all air lines. Moisture contact can reduce pot life and affect gloss and color. | |
| Roller (small areas only) Cover.....1/4" woven with solvent resistant core Reduction.....As needed up to 5% by volume | | | | |
| If specific application equipment is not listed above, equivalent equipment may be substituted. | | | | |
| RECOMMENDED SYSTEMS | | | | |
| Dry Film Thickness / ct. | Mils | (Microns) | | |
| 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) | | |
| Check Compatibility | | | | |
| Other acceptable high performance primers are acceptable. Please consult with your Sherwin-Williams Representative. | | | | |
| The systems listed above are representative of the product's use, other systems may be appropriate. | | | | |
| WARRANTY | | | HEALTH AND SAFETY | |
| The Sherwin-Williams Company warrants our products to be free of manufacturing defects in accord with applicable Sherwin-Williams quality control procedures. Liability for products proven defective, if any, is limited to replacement of the defective product or the refund of the purchase price paid for the defective product as determined by Sherwin-Williams. NO OTHER WARRANTY OR GUARANTEE OF ANY KIND IS MADE BY SHERWIN-WILLIAMS, EXPRESSED OR IMPLIED, STATUTORY, BY OPERATION OF LAW OR OTHERWISE, INCLUDING MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. | | | Refer to the SDS sheet before use. Published technical data and instructions are subject to change without notice. Contact your Sherwin-Williams representative for additional technical data and instructions. | |
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