BOROUGH OF FANWOOD

75 North Martine Ave, Fanwood, NJ 07023
908-322-8236 x 121 phoynes@fanwoodnj.org

Pat Hoynes
Purchasing Agent
February 26, 2020

2020 REQUEST FOR QUOTE
Clean, Prep & Paint Fanwood Lampposts

The Borough of Fanwood is seeking an experienced vendor to clean, prepare and paint thirty Fanwood lampposts

You are welcome to visit the sites, map included. Feel free to contact Pat Hoynes 908 322-8236 x 121, with any questions

All responses shall be submitted on this two-page form, and returned to this office no later than Thursday, March 19, 2020.

QUOTES THAT ARE NOT ON THIS FORM ARE UNACCEPTABLE AND WILL NOT BE CONSIDERED.

SCOPE

Within the limits of the Borough we have seventeen lampposts that need refurbishing prep, prime & paint work.

The lamppost manufacturer has strict guidelines for this work, which must be adhered to.

Attached you will find:

1. Full Specification drawing of the lamppost, clearly outlining the post area to be painted.
2. Procedure Sheet for Maintaining Hadco Lighting Poles/Refinish Process
3. Product information Sheet 1.20 for DTM Wash Primer
4. Application Bulletin 1.20A on DTM Wash Primer.
5. Application Bulletin 5.23A for Poly-Lon 1900 Polyester Polyurethane
6. Product Information Sheet 5.23 on Poly-Lon 1900 Polyester Polyurethane.
7. Exhibit A: Map of the lampposts. We are not seeking for ALL lampposts to be refurbished, only the ones highlighted in yellow on the attached map.

###

QUOTE SHEET

Lump Sum Quote: _____
Written in numbers

_____
Written in words

Contact Name: _____

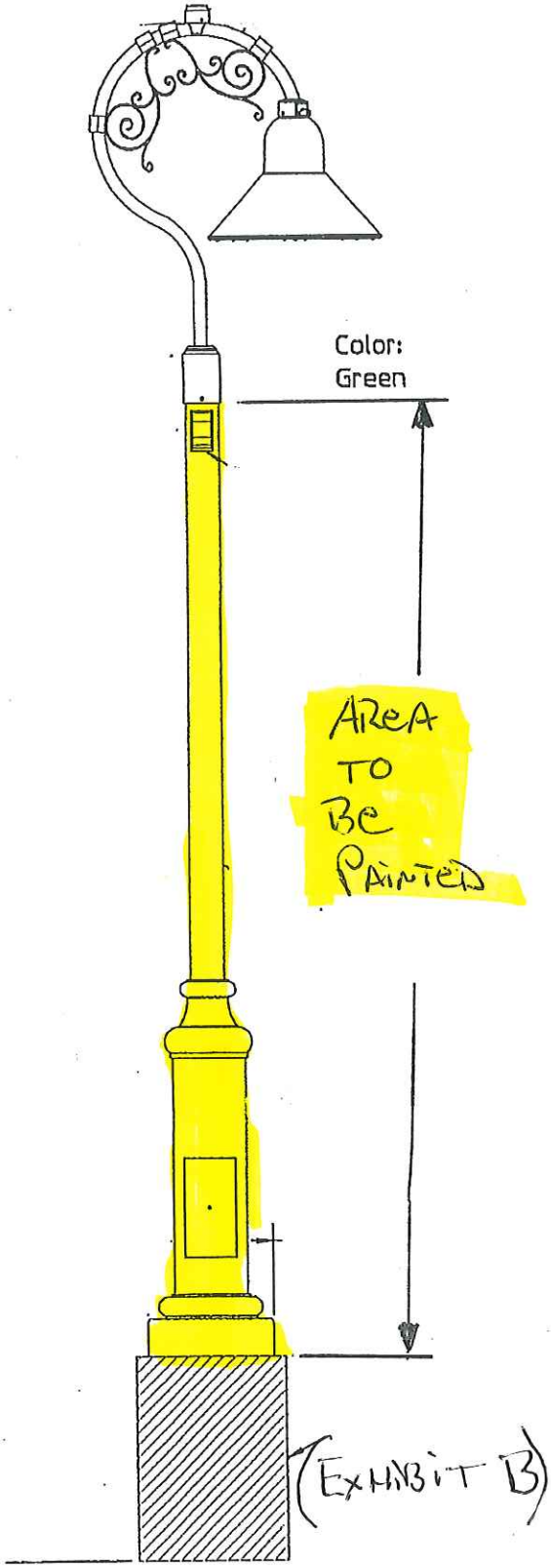
Signature : _____Date: _____

Company Name: _____

Address: _____

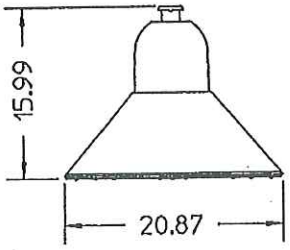
Phone: _____Fax: _____E-mail:_____

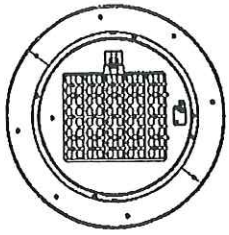
Date:_____



(EXHIBIT B)

Luminaire Detail
Scale 1:16





Philips LEDgine Board Specifications:

- IP66 optic chamber consisting of 4000K Philips lumileds Rebel LEDs (40 LEDs), 70 color rendering index (CRI) nominal with injection molded acrylic optical plates.
- Philips Advance Xitanium class 1, IP66 rated LED driver. Driver operates 120 VAC, 350mA, 50-60 Hz auto sensing, >90% power factor, <20% THD.
- Operating temperature range is -40°C to +40°C.
- L70 @ 80,000 hrs. @ 25°C.
- Manufactured to ISO 9001:2000 Standards, RoHS, Vibration tested to ANSI C136.31 for Bridge Applications, ETL/CETL listed to UL 1598 & UL8750 standards.

BOROUGH OF FANWOOD
DECORATIVE
LIGHT POLE
PAINTING
2019

PRODUCT APPROVALS	
HADCO	JAZ
CUST.	

CONFIDENTIAL:
This drawing is confidential and proprietary to Philips Hadco and may not be reproduced without the express written consent of Philips Hadco. Any use hereof or of any of the information or detail herein shall be for the sole benefit of Philips Hadco.

NOTICE:
THIS DRAWING IS FOR REFERENCE ONLY. CHECK FOR LATEST REVISION PRIOR TO ORDERING

Full Specification (Complete Assembly) Drawing

PHILIPS
HADCO

100 Craftway Drive
Littlestown, Pa 17340
Phone 800-331-4185
Fax 717-359-9289
www.hadco.com

JOB NAME: Fanwood Municipal Building	
REP. TERRITORY: 52	DRAWN BY: SMK
SCALE: 1:20	DATE: 04/14/11
DRAWING NUMBER: C7346-DWG02	
REP: Dave Murphy	
REV: 0	PCN: 11-097
BY: SMK	DATE: 08/30/11

HADCO®
a Genlyte company

100 Craftway, P.O. Box 128 • Littlestown, PA 17340
Phone: 800-331-4185 • Fax: 717-359-9672
http://www.hadco.com

Procedure for Maintaining Hadco Lighting Poles
Refinish Process

Step 1:
Cleaning

Clean the pole surface to eliminate driving contaminates (dirt & other foreign matter) into the finish during the abrading process.

Tools: Pressure washer, and or Sherwin Williams Hurrisafe Cleaner

---

Step 2:
Abrading

Remove all remaining corrosion, oxidation, or loose paint.

Tools: Grinder, Wire brush, Scotch-Brite Abrasive Hand Pads

Step 3:
Prepping

Clean the surface to remove sanding and corrosion dust.
Step 4 must be completed within 24 hour of completing this step.
If step 4 is not completed within 24, hours repeat step 2 before continuing.

Tools: Sherwin Williams Hurrisafe Cleaner, Pressure washer or a tack (cheese) Cloth

---

Step 4:
Prime

Prime all surfaces with Sherwin Williams D.T.M. Wash primer.
Follow all guideline for applying D.T.M wash primer as per the attached tech data sheet.

Tools: Brush, Roller, or Sprayer

Step 5:
Top Coat

Top coat all surfaces with Sherwin Williams Poly-Lon 1900.
Follow all guideline for applying Poly-Lon 1900 as per the attached tech data sheet.

Tools: Brush, Roller, or Sprayer

Industrial & Marine Coatings

1.20

DTM WASH PRIMER

B71Y1

PRODUCT INFORMATION

Revised 7/05

Product Description

DTM WASH PRIMER is a low VOC, water based wash primer free of heavy metals and mineral acids. Designed to be applied over aluminum and galvanizing, or used as a tie-coat over zinc rich primers. Accepts high performance "hot" solvent topcoats directly, such as epoxies and urethanes.

- Fast dry
- Low odor
- Flash rust/early rust resistant
- Extended recoat time
- No "critical" film thickness

Recommended Uses

For use over prepared:

- Aluminum
- Galvanizing
- Zinc rich primers
- Stainless steel

- Must be topcoated
- Suitable for use in USDA inspected facilities

Product Characteristics

Finish: Flat

Color: Yellow-Green

Volume Solids: 21% ± 2%

Weight Solids: 29% ± 2%

VOC (EPA Method 24): <150 g/L; 1.25 lb/gal

Recommended Spreading Rate:

Wet mils:	3.4 - 6.4
Dry mils:	0.7 - 1.3
Coverage:	250 - 470 sq ft/gal approximate

Note: Spray apply. Brush and roll for touch-up only.

Drying Schedule @ 6.0 mils wet @ 50% RH:

	@ 50°F	@ 77°F	@ 110°F
To touch:	3 hours	2 hours	1 hour
To handle:	3 hours	2 hours	1 hour
To recoat:	8 hours	2 hours	1 hour
To cure:	7 days	5 days	3 days

Drying time is temperature, humidity, and film thickness dependent.

Shelf Life: 36 months, unopened
Store indoors at 40°F to 100°F.

Flash Point: >200°F, PMCC

Reducer: Not recommended

Clean Up: Water

Performance Properties

System Tested: (unless otherwise noted)
Substrate: Aluminum
Surface Preparation: SSPC-SP1
1 ct.: DTM Wash Primer @ 1.0 mils dft

Adhesion:
Method: ASTM D3359
Result: 5B

Direct Impact Resistance: (on cold rolled steel)
Method: ASTM D2794
Result: 160 in. lbs.

Flexibility:
Method: ASTM D522, 180° bend, 1/8" mandrel
Result: Passes

Pencil Hardness:
Method: ASTM D3363
Result: F

continued on back

Industrial & Marine Coatings

1.20

DTM WASH PRIMER

B71Y1

PRODUCT INFORMATION

Recommended Systems

Aluminum:
1 ct. DTM Wash Primer @ 0.7 - 1.3 mils dft
2 cts. DTM Acrylic Coating @ 2.5 - 4.0 mils dft/ct

Galvanizing:
1 ct. DTM Wash Primer @ 0.7 - 1.3 mils dft
2 cts. DTM Acrylic Coating @ 2.5 - 4.0 mils dft/ct

Steel:
1 ct. Zinc Clad Primer @ 3.0 - 5.0 mils dft
1 ct. DTM Wash Primer @ 0.7 - 1.3 mils dft
2 cts. DTM Acrylic Coating @ 2.5 - 4.0 mils dft/ct

Stainless Steel:
1 ct. DTM Wash Primer @ 0.7 - 1.3 mils dft
2 cts. DTM Acrylic Coating @ 2.5 - 4.0 mils dft/ct

Other Acceptable Topcoats:
Acrolon 218 HS Polyurethane
Fast Clad DTM Urethane
Hi-Solids Polyurethane
Industrial Enamel HS
Macropoxy HS Epoxy
Metalatex Semi-Gloss Enamel
Sher-Cryl HPA
Sherthane 2K Urethane
Tile-Clad HS Epoxy
Waterbased Tile Clad Epoxy
Waterbased Industrial Enamel
Hydrogloss

The systems listed above are representative of the products use, other systems may be appropriate.

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.

Do not use hydrocarbon solvents for cleaning.

Refer to product Application Bulletin for detailed surface preparation information.

Minimum recommended surface preparation:

Aluminum:	SSPC-SP1
Galvanizing:	SSPC-SP1
Zinc Rich Coatings:	SSPC-SP1
Stainless Steel	SSPC-SP1

Tinting

Do not tint.

Application Conditions

Temperature:	50°F minimum, 110°F maximum (air, surface, and material)
	At least 5°F above dew point
Relative humidity:	85% maximum

Refer to product Application Bulletin for detailed application information.

Ordering Information

Packaging:	1 and 5 gallon containers
Weight per gallon:	9.23 ± 0.2 lb

Safety Precautions

Refer to the MSDS 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.

Disclaimer

The information and recommendations set forth in this Product Data Sheet are based upon tests conducted by or on behalf of The Sherwin-Williams Company. Such information and recommendations set forth herein are subject to change and pertain to the product offered at the time of publication. Consult your Sherwin-Williams representative to obtain the most recent Product Data Information and Application Bulletin.

Warranty

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.

Industrial & Marine Coatings

1.20A

DTM WASH PRIMER

B71Y1

APPLICATION BULLETIN

Revised 7/05

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.

Do not use hydrocarbon solvents for cleaning.

Aluminum
Remove all oil, grease, dirt, oxide and other foreign material by Solvent Cleaning per SSPC-SP1.

Galvanized Steel
Allow to weather a minimum of six months prior to coating. Solvent Clean per SSPC-SP1. When weathering is not possible, or the surface has been treated with chromates or silicates, first Solvent Clean per SSPC-SP1 and apply a test patch. Allow paint to dry at least one week before testing adhesion. If adhesion is poor, brush blasting per SSPC-SP7 is necessary to remove these treatments. Rusty galvanizing requires a minimum of Hand Tool Cleaning per SSPC-SP2, prime the area the same day as cleaned with Procryl Primer.

Zinc Rich Coatings
Remove all oil, dust, grease, dirt, loose rust, and other foreign material by cleaning per SSPC-SP1 or water blast per NACE Standard RP-01-72. For weathered zinc coatings, remove zinc salts by either high pressure water washing and scrubbing with a stiff bristle brush or sweep blast followed by a water flush. Allow to dry thoroughly before coating.

Stainless Steel
Remove all oil, grease, dirt, oxide and other foreign material by Solvent Cleaning per SSPC-SP1.

APPLICATION CONDITIONS

Temperature:	50°F minimum, 110°F maximum (air, surface, and material) At least 5°F above dew point
Relative humidity:	85% maximum

APPLICATION EQUIPMENT

The following is a guide. Changes in pressures and tip sizes may be needed for proper spray characteristics. Always purge spray equipment before use with listed reducer. Any reduction must be compliant with existing VOC regulations and compatible with the existing environmental and application conditions.

Reducer ..... Not recommended

Clean Up ..... Water

Airless Spray
- Pressure ..... 1500 psi
- Hose ..... 1/4" ID
- Tip ..... .015" - .017"
- Filter ..... 80 mesh

Conventional Spray
- Gun ..... Binks 95
- Fluid Nozzle 66
- Air Nozzle 63PB
- Atomization Pressure ... 50 psi
- Fluid Pressure ..... 15-20 psi

Brush
Not recommended except for touch-up work.

Roller
Not recommended except for touch-up work.

If specific application equipment is not listed above, equivalent equipment may be substituted.

continued on back

Industrial & Marine Coatings

1.20A

DTM WASH PRIMER

B71Y1

APPLICATION BULLETIN

Application Procedures

Surface preparation must be completed as indicated.

Mixing Instructions: Mix paint thoroughly by boxing and stirring before use. Avoid unnecessary entrapment of air. Mix with a power mixer at low speed.

Apply paint at the recommended film thickness and spreading rate as indicated below:

Recommended Spreading Rate:

Wet mils:	3.4 - 6.4
Dry mils:	0.7 - 1.3
Coverage:	250 - 470 sq ft/gal approximate

Note: Spray apply. Brush and roll for touch-up only.

Drying Schedule @ 6.0 mils wet @ 50% RH:

	@ 50°F	@ 77°F	@ 110°F
To touch:	3 hours	2 hours	1 hour
To handle:	3 hours	2 hours	1 hour
To recoat:	8 hours	2 hours	1 hour
To cure:	7 days	5 days	3 days

Drying time is temperature, humidity, and film thickness dependent.

Application of coating above maximum or below minimum recommended spreading rate may adversely affect coating performance.

Performance Tips

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.

Flush equipment thoroughly with water before using.

Do not apply to rusty galvanizing.

Do not reduce.

Must be topcoated.

Do not use hydrocarbon solvents for cleaning.

Refer to Product Information sheet for additional performance characteristics and properties.

Clean Up Instructions

Clean spills and spatters immediately with soap and warm water. Clean hands and tools immediately after use with soap and warm water. After cleaning, flush spray equipment with Mineral Spirits to prevent rusting of the equipment. Follow manufacturers safety recommendations when using Mineral Spirits.

Safety Precautions

Refer to the MSDS 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.

Disclaimer

Warranty

Industrial & Marine Coatings

5.23A

POLY-LON® 1900

POLYESTER POLYURETHANE

PART A B65-500 SERIES
PART B B65V500 HARDENER

APPLICATION BULLETIN

Revised 6/05

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.

Iron & Steel

Remove all oil and grease from surface by Solvent Cleaning per SSPC-SP1. Minimum surface preparation is Commercial Blast Cleaning per SSPC-SP6/NACE 3. For better performance, use Near White Metal Blast Cleaning per SSPC-SP10/NACE 2. Blast clean all surfaces using a sharp, angular abrasive for optimum surface profile (1-2 mils). Prime any bare steel the same day as it is cleaned or before flash rusting occurs.

Galvanized Steel

Allow to weather a minimum of six months prior to coating. Solvent Clean per SSPC-SP1. When weathering is not possible, or the surface has been treated with chromates or silicates, first Solvent Clean per SSPC-SP1 and apply a test patch. Allow paint to dry at least one week before testing adhesion. If adhesion is poor, brush blasting per SSPC-SP7 is necessary to remove these treatments. Rusty galvanizing requires a minimum of Hand Tool Cleaning per SSPC-SP2, prime the area the same day as cleaned or before flash rusting occurs.

Poured Concrete

New

For surface preparation, refer to SSPC-SP13/NACE 6, or ICRI 03732, CSP 1-3. Surfaces must be clean, dry, sound and offer sufficient profile to achieve adequate adhesion. Minimum substrate cure is 28 days at 75°F. Remove all form release agents, curing compounds, salts, efflorescence, laitance, and other foreign matter by sandblasting, shotblasting, mechanical scarification, or suitable chemical means. Refer to ASTM D4260. Rinse thoroughly to achieve a final pH between 8.0 and 10.0. Allow to dry thoroughly prior to coating.

Old

Surface preparation is done in much the same manner as new concrete, however, if the concrete is contaminated with oils, grease, chemicals, etc., they must be removed by cleaning with a strong detergent. Refer to ASTM D4258. Form release agents, hardeners, etc. must be removed by sandblasting, shotblasting, mechanical scarification, or suitable chemical means. If surface deterioration presents an unacceptably rough surface, Kem Cati-Coat HS Epoxy Filler/Sealer is recommended to patch and resurface damaged concrete. Fill all cracks, voids and bugholes with ArmorSeal Crack Filler.

Always follow the standard methods listed below:

ASTM D4258 Standard Practice for Cleaning Concrete.
ASTM D4259 Standard Practice for Abrading Concrete.
ASTM D4260 Standard Practice for Etching Concrete.
ASTM F1869 Standard Test Method for Measuring Moisture Vapor Emission Rate of Concrete.
SSPC-SP 13/Nace 6 Surface Preparation of Concrete.
ICRI 03732, Concrete Surface Preparation

APPLICATION CONDITIONS

Temperature:	40°F minimum, 100°F maximum (air, surface, and material) At least 5°F above dew point
Relative humidity:	75% maximum

APPLICATION EQUIPMENT

The following is a guide. Changes in pressures and tip sizes may be needed for proper spray characteristics. Always purge spray equipment before use with listed reducer. Any reduction must be compatible with the existing environmental and application conditions.

Reducer/Clean Up ..... Reducer #132, R7K132

Airless Spray

Pressure	2400 - 3000 psi
Hose	3/8" ID
Tip	.013" - .017"
Filter	60 mesh
Reduction	As needed up to 10% by volume

Conventional Spray

Gun	Binks 95
Cap	63P
Tip	66
Atomization Pressure	50 - 60 psi
Fluid Pressure	20 - 30 psi
Reduction	As needed up to 10% by volume

Brush

Brush	Natural Bristle
Reduction	Not recommended

Roller

Cover	1/4" woven with phenolic core
Reduction	Not recommended

If specific application equipment is not listed above, equivalent equipment may be substituted.

continued on back

SHERWIN WILLIAMS

Industrial & Marine Coatings

5.23

POLY-LON® 1900

POLYESTER POLYURETHANE

PART A B65-500 SERIES
PART B B65V500 HARDENER

PRODUCT INFORMATION

RECOMMENDED SYSTEMS

Steel:
1-2 cts. Epolon II Epoxy Primer @ 2.0 - 4.0 mils dft/ct
1-2 cts. Poly-Lon 1900 Polyester Polyurethane @ 2.0 - 3.0 mils dft/ct

Steel:
1 ct. Zinc Clad II Plus @ 3.0 - 5.0 mils dft
1 ct. Epolon II Epoxy Primer @ 2.0 - 4.0 mils dft
1-2 cts. Poly-Lon 1900 Polyester Polyurethane @ 2.0 - 3.0 mils dft/ct

Steel:
1 ct. Epoxy Mastic Aluminum II @ 6.0 mils dft
1-2 cts. Poly-Lon 1900 Polyester Polyurethane @ 2.0 - 3.0 mils dft/ct

Galvanizing:
1-2 cts. Epolon II Epoxy Primer @ 2.0 - 4.0 mils dft/ct
1-2 cts. Poly-Lon 1900 Polyester Polyurethane @ 2.0 - 3.0 mils dft/ct

Concrete/Masonry:
1 ct. Kem Cati-Coat HS Epoxy Filler/Sealer @ 10.0 - 20.0 mils dft
1-2 cts. Poly-Lon 1900 Polyester Polyurethane @ 2.0 - 3.0 mils dft/ct

The systems listed above are representative of the product's use. Other systems may be appropriate.

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.

Refer to product Application Bulletin for detailed surface preparation information.

Minimum recommended surface preparation:
* Iron & Steel: SSPC-SP6/NACE 3, 1-2 mils profile
* Galvanizing: SSPC-SP1
* Concrete & Masonry: SSPC-SP13/NACE 6, or ICRI 03732, CSP 1-3
* Primer required

TINTING

Tint Part A with 844 Colorant at 200% tint strength. Five minutes minimum mixing on a mechanical shaker is required for complete mixing of color.

APPLICATION CONDITIONS

Temperature:	40°F minimum, 100°F maximum (air, surface, and material)
	At least 5°F above dew point
Relative humidity:	75% maximum

Refer to product Application Bulletin for detailed application information.

ORDERING INFORMATION

Packaging:	1 gallon mix:	4 gallon mix:
Part A:	.75 gallons	3 gallons
Part B:	1 quart	1 gallon
(premeasured components)		

Weight per gallon: 11.4 ± 0.2 lb mixed, may vary with color

SAFETY PRECAUTIONS

Refer to the MSDS 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.

DISCLAIMER

The information and recommendations set forth in this Product Data Sheet are based upon tests conducted by or on behalf of The Sherwin-Williams Company. Such information and recommendations set forth herein are subject to change and pertain to the product offered at the time of publication. Consult your Sherwin-Williams representative to obtain the most recent Product Data Information and Application Bulletin.

WARRANTY

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.

Industrial & Marine Coatings

5.23

POLY-LON® 1900

POLYESTER POLYURETHANE

PART A B65-500 SERIES
PART B B65V500 HARDENER

PRODUCT INFORMATION

Revised 6/05

PRODUCT DESCRIPTION

POLY-LON 1900 POLYESTER POLYURETHANE is a heavy duty, high performance, two component, exterior/interior, VOC compliant, high solids, polyester-aliphatic urethane. When properly cured, this dries to a super tough, "wet look", high gloss, flexible finish with maximum gloss retention, color retention, and chalk resistance. Designed to withstand aggressive industrial environments and provide excellent durability against severe weather conditions, prolonged exterior exposure, abrasion, impact, and general chemical attack.

- Retains its exterior appearance over a wide range of chemical, weather, and mechanical conditions.
- Superior exterior color and gloss retention.

RECOMMENDED USES

For use over prepared metal and masonry surfaces in industrial environments such as:

- Tank exteriors
- Pipelines
- Structural steel
- Bridges
- Marine vessels
- Rolling stock
- Conveyors
- Refineries
- Walls
- Floors

Conforms to AWWA D102-03 OCS #5 & #6.

- Suitable for use in USDA inspected facilities.

PRODUCT CHARACTERISTICS

Finish: High Gloss

Color: Wide range of colors available

Volume Solids: 65% ± 2%, mixed, may vary by color

Weight Solids: 76% ± 2%, mixed, may vary by color

VOC (EPA Method 24): mixed
Unreduced: <340 g/L; 2.80 lb/gal
Reduced 10%: <388 g/L; 3.23 lb/gal
May vary by Color

Mix Ratio: 3:1 by volume, 4 gallon mix

Recommended Spreading Rate per coat:

Wet mils:	3.0 - 4.5
Dry mils:	2.0 - 3.0
Coverage:	360 - 545 sq ft/gal approximate

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

Drying Schedule @ 3.0 mils wet @ 50% RH:

	@50°F	@ 77°F	@100°F
To touch:	16 hours	2 hours	30 minutes
To handle:	24 hours	10 hours	2 hours
To recoat:			
minimum:	24 hours	12 hours	2 hours
maximum:	3 days	48 hours	24 hours
To cure:	7 days	7 days	5 days

If maximum recoat time is exceeded, abrade surface before recoating. Drying time is temperature, humidity, and film thickness dependent.

Pot Life: 5 hours 4 hours 45 minutes

Sweat-In-Time: None required

Shelf Life: 12 months, unopened
Store indoors at 40°F to 100°F.

Flash Point: 102°F TCC, mixed

Reducer/Clean Up: Reducer #132, R7K132

PERFORMANCE CHARACTERISTICS

System Tested: (unless otherwise indicated)
Substrate: Steel
Surface Preparation: SSPC-SP10
2 cts. Epolon II Primer @ 2.5 mils dft/ct
1 ct. Poly-Lon 1900 @ 2.0 mils dft

Abrasion Resistance:
Method: ASTM D4060, CS17 wheel, 1000 cycles, 1 kg load
Result: 76 mg loss (average of 5 trials)

Adhesion:
Method: ASTM D3359 Method B
Result: 5B, 100% Retention
Method: ASTM D4541
Result 1200 psi

Direct Impact Resistance:
Method: ASTM D2794
Result: 100 in. lb.

Dry Heat Resistance:
Method: ASTM D2485
Result: 200°F, 250°F intermittent

Exterior Durability:
Method: 2 years at 45° South
Result: Excellent, 87% gloss retention

Flexibility: (urethane only)
Method: ASTM D522, 180° bend, 1/4" mandrel
Result: Passes

Humidity Resistance:
Method: ASTM D4585, 100°F, 2000 hours
Result: No blistering, cracking, softening or delamination

Pencil Hardness:
Method: ASTM D3363
Result: 6H

Salt Fog Resistance:
Method: ASTM B117, 1000 hours
Result: Rating 10 per ASTM D610 for rusting, less than 1/16" creepage at scribe. No blistering, cracking, softening, or delamination of the film.

Meets the requirements of SSPC Paint No. 36, Levels 2 & 3

continued on back

Industrial & Marine Coatings

5.23A

POLY-LON® 1900

POLYESTER POLYURETHANE

PART A B65-500 SERIES
PART B B65V500 HARDENER

APPLICATION BULLETIN

APPLICATION PROCEDURES

Surface preparation must be completed as indicated.

Mix contents of each component thoroughly with power agitation. Make certain no pigment remains on the bottom of the can. Then combine three parts by volume of Part A with one part by volume of Part B. Thoroughly agitate the mixture with power agitation. Allow the material to sweat-in as indicated. Re-stir before using.

If reducer is used, add only after both components have been thoroughly mixed, after sweat-in.

Apply paint at the recommended film thickness and spreading rate as indicated below:

Recommended Spreading Rate per coat:

Wet mils:	3.0 - 4.5
Dry mils:	2.0 - 3.0
Coverage:	360 - 545 sq ft/gal approximate

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

Drying Schedule @ 3.0 mils wet @ 50% RH:

	@50°F	@77°F	@100°F
To touch:	16 hours	2 hours	30 minutes
To handle:	24 hours	10 hours	2 hours
To recoat:			
minimum:	24 hours	12 hours	2 hours
maximum:	3 days	48 hours	24 hours
To cure:	7 days	7 days	5 days

If maximum recoat time is exceeded, abrade surface before recoating. Drying time is temperature, humidity, and film thickness dependent.

Pot Life:	5 hours	4 hours	45 minutes

Sweat-in-Time: none required

Application of coating above maximum or below minimum recommended spreading rate may adversely affect coating performance.

PERFORMANCE TIPS

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.

In order to avoid blockage of spray equipment, clean equipment before use or before periods of extended downtime with Reducer #132, R7K132.

Mixed coating is sensitive to water. Use water traps in all air lines. Moisture contact can reduce pot life and affect gloss and color.

E-Z Roll Urethane Defoamer is acceptable for use. See data page 5.99 for details.

Quik-Thane Urethane Accelerator is acceptable for use. See data page 5.97 for details.

Refer to Product Information sheet for additional performance characteristics and properties.

CLEAN UP INSTRUCTIONS

Clean spills and spatters immediately with Reducer #132, R7K132. Clean tools immediately after use with Reducer #132, R7K132. Follow manufacturer's safety recommendations when using any solvent.

SAFETY PRECAUTIONS

Refer to the MSDS 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.

DISCLAIMER

The information and recommendations set forth in this Product Data Sheet are based upon tests conducted by or on behalf of The Sherwin-Williams Company. Such information and recommendations set forth herein are subject to change and pertain to the product offered at the time of publication. Consult your Sherwin-Williams representative to obtain the most recent Product Data Information and Application Bulletin.

WARRANTY

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.

FANWOOD DECORATIVE LIGHT POLE PAINTING MAP

Downtown pole painting count:	**27**
Hetfield/North Avenue pole painting count:	**5**
Total	**32**