



REQUEST FOR COMMISSION ACTION
CITY OF INDEPENDENCE
February 24, 2022

Department Finance

Director Approval Lacey Lies

AGENDA ITEM Consider awarding a bid for fiberglass and paint restoration at the Riverside Beach Family Aquatic Center.

BACKGROUND The City went out for bids for exterior fiberglass and paint restoration work to the slides, stairs, structural supports, lockers, and entryway sign at the Riverside Beach Family Aquatic Center. Three companies came to Independence to inspect the structures and provide a bid on the work. Upon inspection, each company independently recommended additional work be considered for the interior of the bowl slide, as they found deterioration of the fiberglass. The recommended additional work is a primer and gel coating. The City budgeted \$110,144 in 2022 for this work (from SUST and QOL funds) and \$10,000 in 2021 (General Fund). The work recommended is \$143,280, so it would require we would utilize an additional \$23,136 from the 2022 General Fund. We have adequate funds to cover this expenditure in other professional services and do not anticipate that this expenditure would cause any budget issues for 2022.

SUGGESTED MOTION I move to award a contract with the low bidder, Slide Pros for \$143,280.

SUPPORTING DOCUMENTS

1. Bid Tabulation
2. Slide Pros Proposal

TABULATION - RBAC FIBERGLASS AND PAINT RESTORATION

	Slides	Structural Columns and Supports	Stairs, Rails, and Landings	Entry Sign	Lockers	Total	Total Award Discount Offered	All Base Work	Gelcoat Interior Slides	Total
Blast It Clean - Updated	58,789.88	21,677.22	26,767.92	9,277.22	8,977.57	125,489.81	0%	125,489.81	29,315.47	154,805.28
Blast It Clean	62,789.88	21,677.22	26,767.92	9,277.22	8,977.57	129,489.81	0%	129,489.81	59,125.87	188,615.68
Slide Pros	71,600.00	38,925.00	47,575.00	3,000.00	3,000.00	164,100.00	25%	123,850.00	19,430.00	143,280.00
Splashtacular	71,676.00	33,622.00	102,394.00	9,934.00		217,626.00	0%	217,626.00	80,846.00	298,472.00

Note: Slide Pros offered a discount for all the base work for \$123,850.00 (25%)

January 20, 2022

City of Independence
811 W. Laurel St.
Independence, Kansas 67301

Re: Response to RFP for
Riverside Beach Aquatic Center
Fiberglass and Paint Restoration

Our turnkey price for all of the work on RFP is \$123,850.00. Please note that the price for the individual items may change if some parts of the project are not undertaken as the overall price takes into consideration combining mobilization charges, equipment rental charges, etc.

1. Review of Work

We visited the site on January 13, 2022 and took measurements and noted the condition of the slides and structures. We noted that additional work that the City may want to undertake would be to gelcoat the interior of the bowl and the start tub of the bowl. We have included this option in pricing below, but it is not included in the turnkey price above. In addition to the description of work noted in No. 3, the top portion of the tube for the bowl slide will need to be primed as the fiberglass is showing through.

2. Schedule

We anticipate this project to take approximately four weeks. If the option of gelcoating the bowl slide is selected, it may take five weeks. We would have 5-6 technicians on site and would be working on multiple structures at the same time. The slide exteriors would be painted first, and then the tower and supports. We would have technicians painting the lockers and sign at the same time the other work is being undertaken. It is difficult to give an exact schedule in a proposal, as it is the Field Operation Manager's (FOM) decision how he would tackle the project. Variables such as lift access, amount of prep work required, and even color choices would affect this. If desired, the FOM would meet with the City to discuss his approach in order to keep the City informed of the progress of the project. We work as efficiently as possible in order to obtain the desired result.

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3. Project Approach

Lockers and Sign

Clean and prepare surface;
Remove failing coatings;
Apply Sherwin Williams Shercryl HPA

Water Slide Exterior:

High-pressure water clean up to 4,000 p.s.i. using PAC Detergent order to remove any grease, oil, dirt and oxidation as per SSPC-SP1 Standard;
Power tool prepare any rusted surfaces with D.L. sanders, grinders, and wire wheel;
Spot prime all necessary areas including bare steel, corroded areas, rigging scrapes, burnishes, and welds using Sherwin Williams Macropoxy 646;
Finish paint slide exteriors using Sherwin Williams Sheroloxane 800

Water Slide Towers and Supports:

Hand prepare necessary areas by hand scraping, sanding, and wire brush;
Power tool prepare all rusted surfaces with D.L. sanders, grinders, and wire wheel;
Prime all necessary areas including bare steel, corroded areas, rigging scrapes, burnishes, and welds using Sherwin Williams Macropoxy 646;
Non slip will be added where required;
Finish paint using Sherwin Williams Sheroloxane 800

Water Slide Interior (Option)

High-pressure water clean using PAC Detergent order to remove any grease, oil, dirt and oxidation as per SSPC-SP1 Standard;
Remove all caulk from seams;
Sand entire interior to remove all failed coating and to create an adhesion profile;
Make all necessary repairs to gelcoat;
Apply Maxguard LEI Series Ashland gelcoat with Duratec high gloss additive at 22-24 mils;
After cure, wet sand and buff and wax any imperfections with 800 and 1000 grit sandpaper;
Re-caulk all seams using Sikaflex 291 white fast cure.

Note that caulking seams will not permanently prevent leaking. Caulk is pliable and is meant to flex with the slide. As time goes on and depending on the movement of the sections, some caulk may dislodge or move, and minor leaking may occur. If this happens during the first year, we will supply you with a tube of caulk to use to touch up the areas. Seams without caulk could cause chipping at any negative seam area. Yearly maintenance should be performed to prevent these issues.

4. Materials (data sheets attached)
Sherwin Williams Hi Solids Polyurethane
Sherwin Williams Sherloxane 800
Sherwin Williams Macropoxy 646
Ashland Max Guard Gelcoat (if optional work is chosen)

With a four-week lead time we can obtain all of the products needed. We work very closely with our Sherwin Williams rep, John Szachury, who is always able to source our materials.



5. Please see attached for our bid, including the option.

Note: Our technicians work 7 days per week and thus we may need access to the facility on a weekend. Technicians will need access to electricity and water.

WORKMANSHIP WARRANTY:

SlidePros guarantees work to be free from imperfections and delamination for a period of two years. Damage from improper swimwear, vandalism, acts of nature, etc. are excluded.

Warranty does not cover fading of the gelcoat.

Warranty is invalid if proper maintenance is not undertaken. It is recommended that water slides be cleaned and waxed, and seams re-caulked at least once a year.

If a warranty issue arises, notify us immediately. If it is a safety issue, we will advise how to temporarily remedy the issue so the water slide can stay in use until we can dispatch a technician. Non-safety issues will be addressed in a time that is mutually agreed upon by both parties. Note that caulk is a wear item and depending on the movement of the slide sections, it may come loose.

If you have extensive leaking in any parts of the slide, please inform us prior to resurfacing so we may take extra steps with those sections.

Please do not hesitate to contact me if you have any questions or need any further information.

Submitted by:



John Block

8 Blocks Maintenance Co LLC dba SlidePros
January 20, 2022





8 Blocks Maintenance dba SlidePros

**ATTACHMENT TO
RFP Response for
City of Independence
Riverside Beach Aquatic Center
Fiberglass and Paint Restoration**

Open Slide Exterior	\$	9,770.00	
Closed Slide Exterior	\$	8,810.00	
Bowl and Tube Exterior	\$	12,770.00	
Lockers	\$	3,000.00	
Sign	\$	3,000.00	
Double Slide Tower	\$	40,250.00	
COLUMNS AND SUPPORTS			\$ 18,112.50
STAIRS			\$ 8,050.00
RAILS			\$ 6,037.50
LANDINGS			\$ 8,050.00
Bowl Tower	\$	46,250.00	
COLUMNS AND SUPPORTS			\$ 20,812.50
STAIRS			\$ 9,250.00
RAILS			\$ 6,937.50
LANDINGS			\$ 9,250.00
Total Not To Exceed	\$	123,850.00	

OPTION

Gelcoat Bowl Start Tub	\$	2,000.00
Gelcoat Bowl Interior	\$	17,430.00

Total with Options \$ 143,280.00

20-Jan-22



Protective & Marine Coatings

HI-SOLIDS POLYURETHANE

PART S	B65-300	GLOSS SERIES
PART S	B65-350	SEMI-GLOSS SERIES
PART S	B65WW305	MR, WHITE TINT BASE (GLOSS)
PART T	B60V30	HARDENER

Revised: April 27, 2016

PRODUCT INFORMATION

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PRODUCT DESCRIPTION

HI-SOLIDS POLYURETHANE is a two-component, low VOC, aliphatic, acrylic polyurethane resin coating. It is designed for high performance protection with outstanding exterior gloss and color retention.

- Good/excellent resistance to corrosion and weathering
- Outstanding color and gloss retention
- Chemical resistant
- Part of a system tested for nuclear irradiation and decontamination, Level II
- Resists film attack by mildew (MR White only)
- Outstanding application properties

PRODUCT CHARACTERISTICS

Finish:	High Gloss or Semi-Gloss
Color:	Wide range of colors possible
Volume Solids:	65% ± 2%, mixed, may vary by color
Weight Solids:	77% ± 2%, mixed, may vary by color
VOC (EPA Method 24):	Unreduced: <340g/L; 2.80 lb/gal mixed Reduced 15%: <370 g/L; 3.08 lb/gal May vary by color
Mix Ratio:	4:1 by volume

Recommended Spreading Rate per coat:

	Minimum	Maximum
Wet mils (microns)	4.5 (112)	8.0 (200)
Dry mils (microns)	3.0 (75)	5.0 (125)
~Coverage sq ft/gal (m²/L)	208 (5.1)	347 (8.5)
Theoretical coverage sq ft/gal (m²/L) @ 1 mil / 25 microns dft	1040 (25.5)	

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

Drying Schedule @ 4.5 mils wet (112 microns):

	@ 40°F/4.5°C	@ 77°F/25°C 50% RH	@ 120°F/49°C
To touch:	4 hours	2 hours	1 hour
To handle:	16 hours	8 hours	5 hours
To recoat:			
minimum	24 hours	18 hours	10 hours
maximum	14 days	14 days	14 days
To cure:	14 days	10 days	7 days
Pot Life:	8 hours	4 hours	2 hours
Sweat-in-Time:	None required		

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

Shelf Life:	Part S - 36 months, unopened Part T - 24 months, unopened Store indoors at 40°F (4.5°C) to 100°F (38°C).
Flash Point:	80°F (27°C), PMCC, mixed
Reducer/Clean Up:	
Below 80°F (27°C):	Reducer #69, R7K69 or R7K111
Above 80°F (27°C):	Reducer #58 or R6K32

RECOMMENDED USES

- For use over prepared substrates in industrial environments
 - Heavy duty interior and exterior structural coating
 - A chemical and abrasion resistant equipment and machinery finish
 - A gloss and color retentive heavy duty maintenance coating for use in "high visibility" areas
 - Exterior surfaces of steel tanks
 - Chemical processing equipment
 - Marine & Offshore Applications
 - Resists film attack by mildew (MR White only)
 - Suitable for use in USDA inspected facilities
 - Acceptable for use in Canadian Food Processing facilities categories: D1, D3 (Confirm acceptance of specific part numbers/rexes with your SW Sales Representative)
 - Conforms to AWWA D102 OCS #5 & #6.
 - Acceptable for use in high performance architectural applications
 - As topcoat for NEPCOAT System A
 - Over FIRETEX hydrocarbon systems
- Refineries
 - Clean rooms
 - Conveyors
 - Handrails
 - Power Plants

PERFORMANCE CHARACTERISTICS

Substrate*: Steel

Surface Preparation*: SSPC-SP6/NACE 3

System Tested*:

- 1 ct. Recoatable Epoxy Primer @ 4.0 mils (100 microns) dft
 - 1 ct. Hi-Solids Polyurethane Gloss @ 3.0 mils (75 microns) dft
- *unless otherwise noted below

Test Name	Test Method	Results
Abrasion Resistance	ASTM D4060, CS17 wheel, 1000 cycles, 1 kg load	87.1 mg loss
Adhesion	ASTM D4541	1050 psi
Corrosion Weathering¹	ASTM D5894, 21 cycles, 7056 hours	Rating 10 per ASTM D714 for blistering; Rating 9 per ASTM D610 for rusting
Direct Impact Resistance	ASTM D2794	>28 in. lbs.
Dry Heat Resistance	ASTM D2485	200°F (93°C)
Flexibility	ASTM D522, 180° bend, 1/8" mandrel	Passes
Moisture Condensation Resistance	ASTM D4585, 100°F (38°C), 1000 hours	No rusting, blistering, or delamination
Pencil Hardness	ASTM D3363	F
Salt Fog Resistance¹	ASTM B117, 9000 hours	Rating 10 per ASTM D714 for blistering; Rating 9 per ASTM D610 for rusting
Surface Burning	ASTM E84	Flame Spread Index 0; Smoke Development Index 0 (at 3.5 mils or 88 microns)
Thermal Shock	ASTM D2246, 15 cycles	Excellent

Meets the requirements of SSPC Paint No. 36, Level 3 for white and light colors. Dark colors may require a clear coat.

Footnotes:

¹ Primer: Zinc Clad II Plus; Intermediate - Recoatable Epoxy Primer



Protective & Marine Coatings

HI-SOLIDS POLYURETHANE

PART S	B65-300	GLOSS SERIES
PART S	B65-350	SEMI-GLOSS SERIES
PART S	B65WW305	MR, WHITE TINT BASE (GLOSS)
PART T	B60V30	HARDENER

Revised: April 27, 2016

PRODUCT INFORMATION

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RECOMMENDED SYSTEMS

		Dry Film Thickness / ct.	
		Mils	(Microns)
Steel: Epoxy Primer			
1 ct.	Recoatable Epoxy Primer	4.0-6.0	(100-150)
1-2 cts.	Hi-Solids Polyurethane	3.0-5.0	(75-125)
Steel: Epoxy Primer			
1 ct.	Dura-Plate 235	4.0-8.0	(100-200)
1-2 cts.	Hi-Solids Polyurethane	3.0-5.0	(75-125)
Steel: Zinc Rich Primer			
1 ct.	Zinc Clad II Plus	2.0-4.0	(50-100)
1 ct.	Macropoxy 646	5.0-10.0	(125-250)
1-2 cts.	Hi-Solids Polyurethane	3.0-5.0	(75-125)
Steel: Epoxy Mastic Primer			
1 ct.	Macropoxy 646	5.0-10.0	(125-250)
1-2 cts.	Hi-Solids Polyurethane	3.0-5.0	(75-125)
Steel: Universal Primer			
1 ct.	Kem Bond HS Metal	2.0-5.0	(50-125)
1-2 cts.	Hi-Solids Polyurethane	3.0-5.0	(75-125)
Steel: NEPCOAT			
1 ct.	Zinc Clad DOT	2.0-4.0	(50-100)
1 ct.	Steel Spec Epoxy Intermediate	3.0-6.0	(75-150)
1 ct.	Hi-Solids Polyurethane	3.0-5.0	(75-125)
Aluminum:			
1 ct.	DTM Wash Primer	0.7-1.3	(18-32)
1-2 cts.	Hi-Solids Polyurethane	3.0-5.0	(75-125)
Concrete:			
1 ct.	Kem Cati-Coat Epoxy HS Filler/Sealer	10.0-15.0	(250-375)
1-2 cts.	Hi-Solids Polyurethane	3.0-5.0	(75-125)
Galvanized Metal:			
1 ct.	Recoatable Epoxy Primer	4.0-6.0	(100-150)
1-2 cts.	Hi-Solids Polyurethane	3.0-5.0	(75-125)

FIRETEX ONLY:

Finish Coat for FIRETEX Hydrocarbon Systems:

1 ct. Hi-Solids Polyurethane*

*Consult FIRETEX PFP Specialist for recommended dft range

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

DISCLAIMER

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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, 2 mil (50 micron) profile
- * Aluminum: SSPC-SP1
- * Galvanizing: SSPC-SP1
- * Concrete & Masonry: SSPC-SP13/NACE 6, or ICRI No. 310.2R, CSP 1-3

* Primer Required

Surface Preparation Standards

Condition of Surface	ISO 8501-1 BS7079:A1	Swedish Std. SIS055900	SSPC	NACE
White Metal	Sa 3	Sa 3	SP 5	1
Near White Metal	Sa 2.5	Sa 2.5	SP 10	2
Commercial Blast	Sa 2	Sa 2	SP 6	3
Brush-Off Blast	Sa 1	Sa 1	SP 7	4
Hand Tool Cleaning	DC St 2	DC St 2	SP 3	-
Pitted & Rusty	DC St 3	DC St 3	SP 3	-
Rusty	DC St 3	DC St 3	SP 3	-
Power Tool Cleaning	DC St 3	DC St 3	SP 3	-
Pitted & Rusty	DC St 3	DC St 3	SP 3	-

TINTING

Tint with Maxitoner Colorants only into Part S. Extra White tints at 200% tint strength. Ultradeep tints at 150% tint strength. Five minutes minimum mixing on a mechanical shaker is required for complete mixing of color.

APPLICATION CONDITIONS

Temperature: 35°F (1.7°C) minimum
120°F (49°C) maximum
(air, surface, and material)
At least 5°F (2.8°C) above dew point

Relative humidity: 85% maximum

Refer to product Application Bulletin for detailed application information.

ORDERING INFORMATION

Packaging:
Part S: 1 gallon (3.78L) and 4 gallon (15.1L) kits
Part T: quarts (0.94L) and gallons (3.78L)

Weight: 10.7 ± 0.2 lb/gal ; 1.28 Kg/L
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.

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.



Protective & Marine Coatings

HI-SOLIDS POLYURETHANE

PART S	B65-300	GLOSS SERIES
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PART S	B65WW305	MR, WHITE TINT BASE (GLOSS)
PART T	B60V30	HARDENER

Revised: April 27, 2016

APPLICATION BULLETIN

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SURFACE PREPARATIONS

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 (2 mils / 50 microns). Prime any bare steel the same day as it is cleaned or before flash rusting occurs.

Aluminum

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

Galvanized Steel

Allow to weather a minimum of six months prior to coating. Remove all oil, grease, dirt, oxide and other foreign material by Solvent Cleaning 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. Primer required.

Concrete and Masonry

For surface preparation, refer to SSPC-SP13/NACE 6, or ICRI No. 310.2R, CSP 1-3. Surfaces should be thoroughly clean and dry. Concrete and mortar must be cured at least 28 days @ 75°F (24°C). Remove all loose mortar and foreign material. Surface must be free of laitance, concrete dust, dirt, form release agents, moisture curing membranes, loose cement and hardeners. Fill bug holes, air pockets and other voids with Steel-Seam FT910. Primer required.

Follow the standard methods listed below when applicable:

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 No. 310.2R Concrete Surface Preparation.

Surface Preparation Standards				
Condition of Surface	ISO 8501-1 BS7079:A1	Swedish Std. SIS055900	SSPC	NACE
White Metal	Sa 3	Sa 3	SP 5	1
Near White Metal	Sa 2.5	Sa 2.5	SP 10	2
Commercial Blast	Sa 2	Sa 2	SP 6	3
Brush-Off Blast	Sa 1	Sa 1	SP 7	4
Hand Tool Cleaning	C St 2	C St 2	SP 2	-
Pitted & Rusted	D St 2	D St 2	SP 2	-
Rusted	C St 3	C St 3	SP 3	-
Power Tool Cleaning	D St 3	D St 3	SP 3	-

APPLICATION CONDITIONS

Temperature:	35°F (1.7°C) minimum 120°F (49°C) maximum (air, surface, and material) At least 5°F (2.8°C) 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/Clean Up

Below 80°F (27°C)	Reducer #69, R7K69 or R7K111
Above 80°F (27°C)	Reducer #58 or R6K32

Airless Spray

Pressure.....	2500 - 2800 psi
Hose.....	3/8" ID
Tip.....	.013" - .017"
Filter	none
Reduction.....	As needed up to 10% by volume

Conventional Spray

Gun	Binks 95
Fluid Nozzle	63 B
Atomization Pressure	50 - 70 psi
Fluid Pressure.....	20 - 25 psi
Reduction.....	As needed up to 15% by volume

Brush

Brush.....	Natural bristle
Reduction.....	As needed up to 15% by volume

Roller

Cover	3/8" woven with solvent resistant core
Reduction.....	As needed up to 15% by volume

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



Protective & Marine Coatings

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APPLICATION PROCEDURES

Surface preparation must be completed as indicated.

Mix contents of each component thoroughly with low speed power agitation. Make certain no pigment remains on the bottom of the can. Then combine 4 parts by volume of Part S with 1 part by volume of Part T. Thoroughly agitate the mixture with power agitation.

If reducer solvent is used, add only after both components have been thoroughly mixed.

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

Recommended Spreading Rate per coat:

	Minimum	Maximum
Wet mils (microns)	4.5 (112)	8.0 (200)
Dry mils (microns)	3.0 (75)	5.0 (125)
~Coverage sq ft/gal (m ² /L)	208 (5.1)	347 (8.5)
Theoretical coverage sq ft/gal (m ² /L) @ 1 mil / 25 microns dft	1040 (25.5)	

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

Drying Schedule @ 4.5 mils wet (112 microns):

	@ 40°F/4.5°C	@ 77°F/25°C 50% RH	@ 120°F/49°C
To touch:	4 hours	2 hours	1 hour
To handle:	16 hours	8 hours	5 hours
To recoat:			
minimum	24 hours	18 hours	10 hours
maximum	14 days	14 days	14 days
To cure:	14 days	10 days	7 days
Pot Life:	8 hours	4 hours	2 hours
Sweat-in-Time:	None required		

If maximum recoat time is exceeded, abrade surface before recoating.
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.

CLEAN UP INSTRUCTIONS

Clean spills and spatters immediately with Reducer #58. Clean tools immediately after use with Reducer #58. Follow manufacturer's safety recommendations when using any solvent.

DISCLAIMER

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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 #58.

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

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

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

R7K69 reducer is acceptable at temperature both above and below 80°F (28°C).

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

SAFETY PRECAUTIONS

Refer to the MSDS sheet before use.

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WARRANTY

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Shercryn HPA

QUOTE # 5990558

VALID FROM: JANUARY 07, 2022 - JANUARY 31, 2022

ACCOUNT # 2733-2814-6
8 BLOCKS MAINTENANCE CO LLC
4248 JENEE DR
LORAIN, OH 44053-4408
(417) 438-2207

STORE # 701232
604 TILLOTSON ST
ELYRIA, OH 44035-2447
(440) 324-3531



ACCOUNT # 2733-2814-6

Shercryl HPA

QUOTE # 5990558

VALID FROM: JAN 07, 2022 - JAN 31, 2022

TERMS OF THE SALE:

Terms: As Agreed

Purchase Type: Annual Purchase

Description	Sales #	Prod # - Size	Qty	Price	Working Gallon Qty	Working Gallon Price	Extended Price
SHER-CRYL HPA HIGH PERFORMANCE ACRYLIC GLOSS COATING; EXTRA WHITE/TINT BASE	640518916	B66W00311-5 GAL	N/A	N/A	5	\$50.92	\$254.60
Comments: light colors tinted.							
SHER-CRYL HPA HIGH PERFORMANCE ACRYLIC GLOSS COATING; SAFETY YELLOW	640331930	B66Y00300- GALLON	N/A	N/A	1	\$67.22	\$67.22
SHER-CRYL HPA HIGH PERFORMANCE ACRYLIC GLOSS COATING; SAFETY RED	640331922	B66R00300- GALLON	N/A	N/A	1	\$67.22	\$67.22
SHER-CRYL HPA HIGH PERFORMANCE ACRYLIC GLOSS COATING; BLACK	640331906	B66B00300- GALLON	N/A	N/A	1	\$50.92	\$50.92
SHER-CRYL HPA HIGH PERFORMANCE ACRYLIC GLOSS COATING; CLEAR TINT BASE	640174215	B66T00304- GALLON	N/A	N/A	1	\$50.92	\$50.92
Comments: dark colors tinted							

Total Price: \$490.88*



ACCOUNT # 2733-2814-6

Shercryl HPA

QUOTE # 5990558

VALID FROM: JAN 07, 2022 - JAN 31, 2022

**** Please note, effective through January 31, 2022 a 4% Supply Chain Surcharge will be added to all applicable items purchased.***

IMPORTANT NOTICE: This Price Quotation is not a contract and is subject to and conditioned upon final approval by Sherwin-Williams. In the event such final approval is not obtained from Sherwin-Williams, this Price Quotation shall become null and void. The purchase of any products set forth above will be made subject to The Sherwin-Williams Company's Standard Terms and Conditions of Sale, which are hereby incorporated in full by this reference and are available at <https://www.sherwin-williams.com/terms-and-conditions>. Sherwin-Williams expressly limits acceptance of this Price Quotation to its Standard Terms and Conditions of Sale, and hereby rejects any additional or different terms and conditions which may be contained in any customer purchase order. The pricing and recommendations set forth in this Price Quotation represent confidential information of Sherwin-Williams.

Please see the net contents on the product labels to determine actual working gallons, order quantity and exact price per gallon prior to ordering. Container size and actual working gallons may not always be the same. Quantity, actual working gallons and product coverage rates are estimates and may vary based on product color (base and tint, if any), mix ratios, substrates and waste. Any estimated volumes, prices per gallon and product coverage rates used in this Price Quotation are based on typical product coverage rates, package sizes and the estimated size of project, all of which must be verified by customer. Sherwin-Williams assumes no responsibility for any actual job site conditions or estimates used in this quotation. Please see the product labels, product data sheets and your Sherwin-Williams representative for additional information. Thank you for choosing Sherwin-Williams.



Shercryn HPA

REFERENCE PAGES - QUOTE # 5990558

VALID FROM: JANUARY 07, 2022 - JANUARY 31, 2022

ACCOUNT # 2733-2814-6
8 BLOCKS MAINTENANCE CO LLC
4248 JENEE DR
LORAIN, OH 44053-4408
(417) 438-2207

STORE # 701232
604 TILLOTSON ST
ELYRIA, OH 44035-2447
(440) 324-3531

John Szachury
SALES- Representative

Data Pages

Sher-Cryl™ HPA

High Performance Acrylic

B66-300 Series Gloss, B66-350 Series Semi-Gloss


**SHERWIN
WILLIAMS.**

CHARACTERISTICS

SHER-CRYL HPA is a higher performing ambient cured, one component acrylic coating with excellent performance properties.

Features:

- Chemical Resistant
- Outstanding humidity resistance
- Outstanding application characteristics
- Flash rust-early rust resistant
- Corrosion resistant
- Fast dry
- Suitable for use in USDA inspected facilities

Recommended for use in:

- Buildings & Warehouses
- Equipment & Machinery
- Storage Tanks & Piping & Structural Steel
- Manufacturing Facilities & New Construction
- Interior or Exterior

For use on properly prepared:

Steel, Galvanized & Aluminum, Concrete and Masonry, Wood, Previously Painted & Zinc rich primers

Finish: 80°+@60° Gloss
35-45°@60° Semi-Gloss

Color: Most colors

Recommended Spreading Rate per coat:

Extra White B66W00311 (may vary by base)

Wet mils: 6.0-10.0
Dry mils: 2.0-3.3
Coverage: 160-264 sq. ft. per gallon

Theoretical Coverage: 529 sq. ft. per gallon
@ 1 mil dry

Approximate spreading rates are calculated on volume solids and do not include any application loss.

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

Drying Schedule @ 7.0 mils wet, @ 50% RH:

Drying, and recoat times are temperature, humidity, and film thickness dependent.

	@50°F	@77°F	@110°F
To touch	1 hour	30 minutes	5 minutes
To handle	8 hours	5 hour	15 minutes
To recoat	8 hours	5 hour	15 minutes
To cure	30 days	30 days	30 days

Tinting with CCE only:

Base	oz. per gallon	Strength
Extra White	0-4	SherColor
Ultra-deep base	10-12	SherColor

Extra White B66W00311

(may vary by base)

V.O.C. (less exempt solvents): As mixed
239 grams per litre; 1.99 lbs. per gallon

As per 40 CFR 59.406

Volume Solids: 33 ± 2%
Weight Solids: 42 ± 2%
Weight per Gallon: 9.44 lb
Flash Point: N/A
Vehicle Type: Acrylic
Shelf Life: 36 months, unopened

COMPLIANCE

As of 04/09/2021, Complies with:

OTC	Yes
OTC Phase II	Yes
S.C.A.Q.M.D.	No
CARB	Yes
CARB SCM 2007	Yes
CARB SCM 2020	Yes
Canada	Yes
LEED® v4 & v4.1 Emissions	No
LEED® v4 & v4.1 V.O.C.	No
EPD-NSF® Certified	No
MIR-Product Lens Certified	No
MPI-(Gloss)	Yes

APPLICATION

Temperature: air, surface, and material
minimum 50°F / 10°C
maximum 120°F / 49°C

At least 5°F above dew point

Relative humidity: 85% maximum
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: Water
R8K10 - WB Hot Weather Reducer up to 10%

Airless Spray:
Pressure 1500 p.s.i.
Hose 1/4 inch I.D.
Tip .017 - .021 inch
Filter 60 mesh

Conventional Spray:
Gun Binks 95
Fluid Nozzle 66
Air Nozzle 63 PB
Atomization Pressure 50 p.s.i.
Fluid Pressure 15-20 p.s.i.
Reduction: As needed up to 12.5% by volume

Brush Nylon-polyester
Roller Cover 3/8 inch woven

If specific application equipment is listed above, equivalent equipment may be substituted.

Apply paint at the recommended film thickness and spreading rate as indicated on front page. Application of coating above maximum or below minimum recommended spreading rate may adversely affect coating performance. 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, over thinning, climatic conditions, and excessive film build. Application temperature above 95°F (35°C) may cause dry spray, uneven sheen, and poor adhesion. Application temperature below 50°F (10°C) may cause poor adhesion and lengthen the drying and curing time.

Mix paint thoroughly to a uniform consistency with slow speed power agitation prior to use.

Stripe coat 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.

During the early stages of drying, the coating is sensitive to rain, dew, high humidity and moisture condensation. Plan painting schedules to avoid these influences during the first 16-24 hours of curing.

SPECIFICATIONS

Steel:

1 coat Pro Industrial Pro-Cryl Primer
or Pro Industrial DTM Primer/Finish
or Kem Bonds HS
or Zinc Clad XI
2 coats Sher-Cryl HPA

Aluminum:

2 coats Sher-Cryl HPA

Aluminum:

1 coat Pro Industrial Pro-Cryl Primer
2 coats Sher-Cryl HPA

Concrete Block (CMU):

1 coat Pro Industrial Heavy Duty Blockfiller
or Loxon Acrylic Block Surfer
2 coats Sher-Cryl HPA

Concrete-Masonry:

1 coat Loxon Concrete & Masonry Primer
or Loxon Conditioner
2 coats Sher-Cryl HPA

Drywall:

1 coat ProMar 200 Zero V.O.C. Primer
2 coats Sher-Cryl HPA

Galvanizing:

2 coats Sher-Cryl HPA

Pre-Finished Siding: (Baked-on finishes)

1 coat DTM Bonding Primer
2 coats Sher-Cryl HPA

Previously Painted:

2 coats Sher-Cryl HPA

Wood, exterior:

1 coat Exterior Wood Primer
2 coats Sher-Cryl HPA

Wood, interior:

1 coat Premium Wall & Wood Primer
2 coats Sher-Cryl HPA

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

Sher-Cryl™

High Performance Acrylic

SURFACE PREPARATION

WARNING! Removal of old paint by sanding, scraping or other means may generate dust or fumes that contain lead. Exposure to lead dust or fumes may cause brain damage or other adverse health effects, especially in children or pregnant women. Controlling exposure to lead or other hazardous substances requires the use of proper protective equipment, such as a properly fitted respirator (NIOSH approved) and proper containment and cleanup. For more information, call the National Lead Information Center at **1-800-424-LEAD** (in US) or contact your local health authority.

When cleaning the surface per SSPC-SP1, use only an emulsifying industrial detergent, followed by a water rinse. **Do not use hydrocarbon solvents for cleaning.**

Remove all surface contamination by washing with an appropriate cleaner, rinse thoroughly and allow to dry. Existing peeled or checked paint should be scraped and sanded to a sound surface. Glossy surfaces should be sanded dull. Stains from water, smoke, ink, pencil, grease, etc. should be sealed with the appropriate primer/sealer. Recognize that any surface preparation short of total removal of the old coating may compromise the service length of the system.

Iron & Steel - Minimum surface preparation is Hand Tool Clean per SSPC-SP2. Remove all oil and grease from surface per SSPC-SP1. For better performance, use Commercial Blast Cleaning per SSPC-SP6. Primer recommended for best performance. Prime any bare steel within 8 hours or before flash rusting occurs.

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

Galvanizing - 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-SP16 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.

Concrete Block - Surface should be thoroughly clean and dry. Air, material and surface temperatures must be at least 50°F (10°C) before filling. Use Pro Industrial Heavy Duty Block Filler or Loxon Acrylic Block Surface. The filler must be thoroughly dry before topcoating.

Masonry - All masonry must be free of dirt, oil, grease, loose paint, mortar, masonry dust, etc. Clean per SSPC-SP13-Nace 6-ICRI No. 310.2R, CSP 1-3. Poured, troweled, or tilt-up concrete, plaster, mortar, etc. must be thoroughly cured at least 30 days at 75°F. Form release compounds and curing membranes must be removed by brush blasting. Brick must be allowed to weather for one year prior to surface preparation and painting. Prime the area the same day as cleaned. Weathered masonry and soft or porous cement board must be brush blasted or power tool cleaned to remove loosely adhering contamination and to get to a hard, firm surface. Apply one coat Loxon Conditioner, following label recommendations. Primer required.

Wood - Surface must be clean, dry, and sound. Prime with recommended primer. No painting should be done immediately after a rain or during foggy weather. Knots and pitch streaks must be scraped, sanded and spot primed before full coat of primer is applied. All nail holes or small openings must be properly caulked. Sand to remove any loose or deteriorated surface wood and to obtain a proper surface profile.

SURFACE PREPARATION

Prefinished Siding (baked-on finishes)- Remove oil, grease, dirt, oxides, and other contaminants from the surface by cleaning per SSPC-SP1 or water blasting per NACE Standard RP-01-72. Always checks for compatibility of the previously painted surface with the new coating by applying a test patch of 2 - 3 square feet. Allow to dry thoroughly for 1 week before checking adhesion. DTM Bonding Primer is required.

Previously Painted Surfaces - If in sound condition, clean the surface of all foreign material. Smooth, hard or glossy coatings and surfaces should be dulled by abrading the surface. Apply a test area, allowing paint to dry one week before testing adhesion. If adhesion is poor, additional abrasion of the surface and/or removal of the previous coating may be necessary. Retest surface for adhesion. If paint is peeling or badly weathered, clean surface to sound substrate and treat as a new surface as above. Recognize that any surface preparation short of total removal of the old coating may compromise the service length of the system.

Mildew - Prior to attempting to remove mildew, it is always recommended to test any cleaner on a small, inconspicuous area prior to use. Bleach and bleaching type cleaners may damage or discolor existing paint films. Bleach alternative cleaning solutions may be advised.

Mildew may be removed before painting by washing with a solution of 1 part liquid bleach and 3 parts water. Apply the solution and scrub the mildewed area. Allow the solution to remain on the surface for 10 minutes. Rinse thoroughly with water and allow the surface to dry before painting. Wear protective eyewear, waterproof gloves, and protective clothing. Quickly wash off any of the mixture that comes in contact with your skin. Do not add detergents or ammonia to the bleach-water solution.

PERFORMANCE

Sher-Cryl HPA Gloss- 2 coats @ 3.0 mils D.F.T per coat
(unless otherwise noted)

Abrasion Resistance:

Method: ASTM D4060, CS17
Wheel, 1000 cycles, 1
kg load
Results: 59.1 mg loss

Adhesion:

Method: ASTM D4541
Results: 947 psi

Corrosion Weathering¹:

Method: ASTM D5894, 7 cycles
Results: Corrosion 8, Blistering 10

Direct Impact Resistance:

Method: ASTM D2794
Results: greater than 176 in. lb

Dry Heat Resistance:

Method: ASTM D2485 Method A
Results: 300°F/149°C

Flexibility:

Method: ASTM D522, 180° bend,
1/8" mandrel
Results: Pass

Humidity Resistance¹:

Method: ASTM D4585, 2186 hours
Results: Corrosion 10, Blistering 10

Pencil Hardness:

Method: ASTM D3363
Result: 4B

¹ 1 coat Sher-Cryl HPA over 1 coat Pro Industrial Pro-Cryl Universal Primer
Provides performance comparable to products in lieu of the Federal Specification: AA50570, and Paint Specification: SSPC-Paint 24.

SAFETY PRECAUTIONS

Before using, carefully read **CAUTIONS** on label. Refer to the Safety Data Sheets (SDS) before use.

FOR PROFESSIONAL USE ONLY.

Published technical data and instructions are subject to change without notice. Contact your Sherwin-Williams representative for additional technical data and instructions.

CLEANUP INFORMATION

Clean spills, spatters, hands and tools immediately after use with soap and warm water. After cleaning, flush spray equipment with compliant cleanup solvent to prevent rusting of the equipment. Follow manufacturer's safety recommendations when using solvents.

HOTW	04/09/2021	B66W00311	24 239
HOTW	04/09/2021	B66T00304	21 224
HOTW	04/09/2021	B66W00351	24 235
HOTW	04/09/2021	B66T00354	24 241
FRC			

Sher-Cryl™ HPA

High Performance Acrylic

B66-300 Series Gloss, B66-350 Series Semi-Gloss


**SHERWIN
WILLIAMS.**

CHARACTERISTICS

SHER-CRYL HPA is a higher performing ambient cured, one component acrylic coating with excellent performance properties.

Features:

- Chemical Resistant
- Outstanding humidity resistance
- Outstanding application characteristics
- Flash rust-early rust resistant
- Corrosion resistant
- Fast dry
- Suitable for use in USDA inspected facilities

Recommended for use in:

- Buildings & Warehouses
- Equipment & Machinery
- Storage Tanks & Piping & Structural Steel
- Manufacturing Facilities & New Construction
- Interior or Exterior

For use on properly prepared:

Steel, Galvanized & Aluminum, Concrete and Masonry, Wood, Previously Painted & Zinc rich primers

Finish: 80°+@60° Gloss
35-45°@60° Semi-Gloss

Color: Most colors

Recommended Spreading Rate per coat:

Extra White B66W00311 (may vary by base)

Wet mils: 6.0-10.0
Dry mils: 2.0-3.3
Coverage: 160-264 sq. ft. per gallon

Theoretical Coverage: 529 sq. ft. per gallon
@ 1 mil dry

Approximate spreading rates are calculated on volume solids and do not include any application loss.

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

Drying Schedule @ 7.0 mils wet, @ 50% RH:

Drying, and recoat times are temperature, humidity, and film thickness dependent.

	@50°F	@77°F	@110°F
To touch	1 hour	30 minutes	5 minutes
To handle	8 hours	5 hour	15 minutes
To recoat	8 hours	5 hour	15 minutes
To cure	30 days	30 days	30 days

Tinting with CCE only:

Base	oz. per gallon	Strength
Extra White	0-4	SherColor
Ultra-deep base	10-12	SherColor

Extra White B66W00311

(may vary by base)

V.O.C. (less exempt solvents): As mixed
239 grams per litre; 1.99 lbs. per gallon

As per 40 CFR 59.406

Volume Solids: 33 ± 2%
Weight Solids: 42 ± 2%
Weight per Gallon: 9.44 lb
Flash Point: N/A
Vehicle Type: Acrylic
Shelf Life: 36 months, unopened

COMPLIANCE

As of 04/09/2021, Complies with:

OTC	Yes
OTC Phase II	Yes
S.C.A.Q.M.D.	No
CARB	Yes
CARB SCM 2007	Yes
CARB SCM 2020	Yes
Canada	Yes
LEED® v4 & v4.1 Emissions	No
LEED® v4 & v4.1 V.O.C.	No
EPD-NSF® Certified	No
MIR-Product Lens Certified	No
MPI-(Gloss)	Yes

APPLICATION

Temperature: air, surface, and material
minimum 50°F / 10°C
maximum 120°F / 49°C

At least 5°F above dew point

Relative humidity: 85% maximum
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: Water
R8K10 - WB Hot Weather Reducer up to 10%

Airless Spray:
Pressure 1500 p.s.i.
Hose 1/4 inch I.D.
Tip .017 - .021 inch
Filter 60 mesh

Conventional Spray:
Gun Binks 95
Fluid Nozzle 66
Air Nozzle 63 PB
Atomization Pressure 50 p.s.i.
Fluid Pressure 15-20 p.s.i.
Reduction: As needed up to 12.5% by volume

Brush Nylon-polyester
Roller Cover 3/8 inch woven

If specific application equipment is listed above, equivalent equipment may be substituted.

Apply paint at the recommended film thickness and spreading rate as indicated on front page. Application of coating above maximum or below minimum recommended spreading rate may adversely affect coating performance. 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, over thinning, climatic conditions, and excessive film build. Application temperature above 95°F (35°C) may cause dry spray, uneven sheen, and poor adhesion. Application temperature below 50°F (10°C) may cause poor adhesion and lengthen the drying and curing time.

Mix paint thoroughly to a uniform consistency with slow speed power agitation prior to use.

Stripe coat 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.

During the early stages of drying, the coating is sensitive to rain, dew, high humidity and moisture condensation. Plan painting schedules to avoid these influences during the first 16-24 hours of curing.

SPECIFICATIONS

Steel:

1 coat Pro Industrial Pro-Cryl Primer
or Pro Industrial DTM Primer/Finish
or Kem Bonds HS
or Zinc Clad XI
2 coats Sher-Cryl HPA

Aluminum:

2 coats Sher-Cryl HPA

Aluminum:

1 coat Pro Industrial Pro-Cryl Primer
2 coats Sher-Cryl HPA

Concrete Block (CMU):

1 coat Pro Industrial Heavy Duty Blockfiller
or Loxon Acrylic Block Surfer
2 coats Sher-Cryl HPA

Concrete-Masonry:

1 coat Loxon Concrete & Masonry Primer
or Loxon Conditioner
2 coats Sher-Cryl HPA

Drywall:

1 coat ProMar 200 Zero V.O.C. Primer
2 coats Sher-Cryl HPA

Galvanizing:

2 coats Sher-Cryl HPA

Pre-Finished Siding: (Baked-on finishes)

1 coat DTM Bonding Primer
2 coats Sher-Cryl HPA

Previously Painted:

2 coats Sher-Cryl HPA

Wood, exterior:

1 coat Exterior Wood Primer
2 coats Sher-Cryl HPA

Wood, interior:

1 coat Premium Wall & Wood Primer
2 coats Sher-Cryl HPA

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

Sher-Cryl™

High Performance Acrylic

SURFACE PREPARATION

WARNING! Removal of old paint by sanding, scraping or other means may generate dust or fumes that contain lead. Exposure to lead dust or fumes may cause brain damage or other adverse health effects, especially in children or pregnant women. Controlling exposure to lead or other hazardous substances requires the use of proper protective equipment, such as a properly fitted respirator (NIOSH approved) and proper containment and cleanup. For more information, call the National Lead Information Center at **1-800-424-LEAD** (in US) or contact your local health authority.

When cleaning the surface per SSPC-SP1, use only an emulsifying industrial detergent, followed by a water rinse. **Do not use hydrocarbon solvents for cleaning.**

Remove all surface contamination by washing with an appropriate cleaner, rinse thoroughly and allow to dry. Existing peeled or checked paint should be scraped and sanded to a sound surface. Glossy surfaces should be sanded dull. Stains from water, smoke, ink, pencil, grease, etc. should be sealed with the appropriate primer/sealer. Recognize that any surface preparation short of total removal of the old coating may compromise the service length of the system.

Iron & Steel - Minimum surface preparation is Hand Tool Clean per SSPC-SP2. Remove all oil and grease from surface per SSPC-SP1. For better performance, use Commercial Blast Cleaning per SSPC-SP6. Primer recommended for best performance. Prime any bare steel within 8 hours or before flash rusting occurs.

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

Galvanizing - 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-SP16 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.

Concrete Block - Surface should be thoroughly clean and dry. Air, material and surface temperatures must be at least 50°F (10°C) before filling. Use Pro Industrial Heavy Duty Block Filler or Loxon Acrylic Block Surfacer. The filler must be thoroughly dry before topcoating.

Masonry - All masonry must be free of dirt, oil, grease, loose paint, mortar, masonry dust, etc. Clean per SSPC-SP13-Nace 6-ICRI No. 310.2R, CSP 1-3. Poured, troweled, or tilt-up concrete, plaster, mortar, etc. must be thoroughly cured at least 30 days at 75°F. Form release compounds and curing membranes must be removed by brush blasting. Brick must be allowed to weather for one year prior to surface preparation and painting. Prime the area the same day as cleaned. Weathered masonry and soft or porous cement board must be brush blasted or power tool cleaned to remove loosely adhering contamination and to get to a hard, firm surface. Apply one coat Loxon Conditioner, following label recommendations. Primer required.

Wood - Surface must be clean, dry, and sound. Prime with recommended primer. No painting should be done immediately after a rain or during foggy weather. Knots and pitch streaks must be scraped, sanded and spot primed before full coat of primer is applied. All nail holes or small openings must be properly caulked. Sand to remove any loose or deteriorated surface wood and to obtain a proper surface profile.

SURFACE PREPARATION

Prefinished Siding (baked-on finishes)- Remove oil, grease, dirt, oxides, and other contaminants from the surface by cleaning per SSPC-SP1 or water blasting per NACE Standard RP-01-72. Always checks for compatibility of the previously painted surface with the new coating by applying a test patch of 2 - 3 square feet. Allow to dry thoroughly for 1 week before checking adhesion. DTM Bonding Primer is required.

Previously Painted Surfaces - If in sound condition, clean the surface of all foreign material. Smooth, hard or glossy coatings and surfaces should be dulled by abrading the surface. Apply a test area, allowing paint to dry one week before testing adhesion. If adhesion is poor, additional abrasion of the surface and/or removal of the previous coating may be necessary. Retest surface for adhesion. If paint is peeling or badly weathered, clean surface to sound substrate and treat as a new surface as above. Recognize that any surface preparation short of total removal of the old coating may compromise the service length of the system.

Mildew- Prior to attempting to remove mildew, it is always recommended to test any cleaner on a small, inconspicuous area prior to use. Bleach and bleaching type cleaners may damage or discolor existing paint films. Bleach alternative cleaning solutions may be advised.

Mildew may be removed before painting by washing with a solution of 1 part liquid bleach and 3 parts water. Apply the solution and scrub the mildewed area. Allow the solution to remain on the surface for 10 minutes. Rinse thoroughly with water and allow the surface to dry before painting. Wear protective eyewear, waterproof gloves, and protective clothing. Quickly wash off any of the mixture that comes in contact with your skin. Do not add detergents or ammonia to the bleach-water solution.

PERFORMANCE

Sher-Cryl HPA Gloss- 2 coats @ 3.0 mils D.F.T per coat
(unless otherwise noted)

Abrasion Resistance:

Method: ASTM D4060, CS17
Wheel, 1000 cycles, 1
kg load
Results: 59.1 mg loss

Adhesion:

Method: ASTM D4541
Results: 947 psi

Corrosion Weathering¹:

Method: ASTM D5894, 7 cycles
Results: Corrosion 8, Blistering 10

Direct Impact Resistance:

Method: ASTM D2794
Results: greater than 176 in. lb

Dry Heat Resistance:

Method: ASTM D2485 Method A
Results: 300°F/149°C

Flexibility:

Method: ASTM D522, 180° bend,
1/8" mandrel
Results: Pass

Humidity Resistance¹:

Method: ASTM D4585, 2186 hours
Results: Corrosion 10, Blistering 10

Pencil Hardness:

Method: ASTM D3363
Result: 4B

¹ 1 coat Sher-Cryl HPA over 1 coat Pro Industrial Pro-Cryl Universal Primer
Provides performance comparable to products in lieu of the Federal Specification: AA50570, and Paint Specification: SSPC-Paint 24.

SAFETY PRECAUTIONS

Before using, carefully read **CAUTIONS** on label. Refer to the Safety Data Sheets (SDS) before use.

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Published technical data and instructions are subject to change without notice. Contact your Sherwin-Williams representative for additional technical data and instructions.

CLEANUP INFORMATION

Clean spills, spatters, hands and tools immediately after use with soap and warm water. After cleaning, flush spray equipment with compliant cleanup solvent to prevent rusting of the equipment. Follow manufacturer's safety recommendations when using solvents.

HOTW	04/09/2021	B66W00311	24 239
HOTW	04/09/2021	B66T00304	21 224
HOTW	04/09/2021	B66W00351	24 235
HOTW	04/09/2021	B66T00354	24 241
FRC			

Sher-Cryl™ HPA

High Performance Acrylic

B66-300 Series Gloss, B66-350 Series Semi-Gloss


**SHERWIN
WILLIAMS.**

CHARACTERISTICS

SHER-CRYL HPA is a higher performing ambient cured, one component acrylic coating with excellent performance properties.

Features:

- Chemical Resistant
- Outstanding humidity resistance
- Outstanding application characteristics
- Flash rust-early rust resistant
- Corrosion resistant
- Fast dry
- Suitable for use in USDA inspected facilities

Recommended for use in:

- Buildings & Warehouses
- Equipment & Machinery
- Storage Tanks & Piping & Structural Steel
- Manufacturing Facilities & New Construction
- Interior or Exterior

For use on properly prepared:

Steel, Galvanized & Aluminum, Concrete and Masonry, Wood, Previously Painted & Zinc rich primers

Finish: 80°+@60° Gloss
35-45°@60° Semi-Gloss

Color: Most colors

Recommended Spreading Rate per coat:

Extra White B66W00311 (may vary by base)

Wet mils: 6.0-10.0
Dry mils: 2.0-3.3
Coverage: 160-264 sq. ft. per gallon

Theoretical Coverage: 529 sq. ft. per gallon
@ 1 mil dry

Approximate spreading rates are calculated on volume solids and do not include any application loss.

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

Drying Schedule @ 7.0 mils wet, @ 50% RH:

Drying, and recoat times are temperature, humidity, and film thickness dependent.

	@50°F	@77°F	@110°F
To touch	1 hour	30 minutes	5 minutes
To handle	8 hours	5 hour	15 minutes
To recoat	8 hours	5 hour	15 minutes
To cure	30 days	30 days	30 days

Tinting with CCE only:

Base	oz. per gallon	Strength
Extra White	0-4	SherColor
Ultra-deep base	10-12	SherColor

Extra White B66W00311

(may vary by base)

V.O.C. (less exempt solvents): As mixed
239 grams per litre; 1.99 lbs. per gallon

As per 40 CFR 59.406

Volume Solids: 33 ± 2%
Weight Solids: 42 ± 2%
Weight per Gallon: 9.44 lb
Flash Point: N/A
Vehicle Type: Acrylic
Shelf Life: 36 months, unopened

COMPLIANCE

As of 04/09/2021, Complies with:

OTC	Yes
OTC Phase II	Yes
S.C.A.Q.M.D.	No
CARB	Yes
CARB SCM 2007	Yes
CARB SCM 2020	Yes
Canada	Yes
LEED® v4 & v4.1 Emissions	No
LEED® v4 & v4.1 V.O.C.	No
EPD-NSF® Certified	No
MIR-Product Lens Certified	No
MPI-(Gloss)	Yes

APPLICATION

Temperature: air, surface, and material
minimum 50°F / 10°C
maximum 120°F / 49°C

At least 5°F above dew point

Relative humidity: 85% maximum
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: Water
R8K10 - WB Hot Weather Reducer up to 10%

Airless Spray:
Pressure 1500 p.s.i.
Hose 1/4 inch I.D.
Tip .017 - .021 inch
Filter 60 mesh

Conventional Spray:
Gun Binks 95
Fluid Nozzle 66
Air Nozzle 63 PB
Atomization Pressure 50 p.s.i.
Fluid Pressure 15-20 p.s.i.
Reduction: As needed up to 12.5% by volume

Brush Nylon-polyester
Roller Cover 3/8 inch woven

If specific application equipment is listed above, equivalent equipment may be substituted.

Apply paint at the recommended film thickness and spreading rate as indicated on front page. Application of coating above maximum or below minimum recommended spreading rate may adversely affect coating performance. 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, over thinning, climatic conditions, and excessive film build. Application temperature above 95°F (35°C) may cause dry spray, uneven sheen, and poor adhesion. Application temperature below 50°F (10°C) may cause poor adhesion and lengthen the drying and curing time.

Mix paint thoroughly to a uniform consistency with slow speed power agitation prior to use.

Stripe coat 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.

During the early stages of drying, the coating is sensitive to rain, dew, high humidity and moisture condensation. Plan painting schedules to avoid these influences during the first 16-24 hours of curing.

SPECIFICATIONS

Steel:

1 coat Pro Industrial Pro-Cryl Primer
or Pro Industrial DTM Primer/Finish
or Kem Bonds HS
or Zinc Clad XI
2 coats Sher-Cryl HPA

Aluminum:

2 coats Sher-Cryl HPA

Aluminum:

1 coat Pro Industrial Pro-Cryl Primer
2 coats Sher-Cryl HPA

Concrete Block (CMU):

1 coat Pro Industrial Heavy Duty Blockfiller
or Loxon Acrylic Block Surfer
2 coats Sher-Cryl HPA

Concrete-Masonry:

1 coat Loxon Concrete & Masonry Primer
or Loxon Conditioner
2 coats Sher-Cryl HPA

Drywall:

1 coat ProMar 200 Zero V.O.C. Primer
2 coats Sher-Cryl HPA

Galvanizing:

2 coats Sher-Cryl HPA

Pre-Finished Siding: (Baked-on finishes)

1 coat DTM Bonding Primer
2 coats Sher-Cryl HPA

Previously Painted:

2 coats Sher-Cryl HPA

Wood, exterior:

1 coat Exterior Wood Primer
2 coats Sher-Cryl HPA

Wood, interior:

1 coat Premium Wall & Wood Primer
2 coats Sher-Cryl HPA

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

Sher-Cryl™

High Performance Acrylic

SURFACE PREPARATION

WARNING! Removal of old paint by sanding, scraping or other means may generate dust or fumes that contain lead. Exposure to lead dust or fumes may cause brain damage or other adverse health effects, especially in children or pregnant women. Controlling exposure to lead or other hazardous substances requires the use of proper protective equipment, such as a properly fitted respirator (NIOSH approved) and proper containment and cleanup. For more information, call the National Lead Information Center at **1-800-424-LEAD** (in US) or contact your local health authority.

When cleaning the surface per SSPC-SP1, use only an emulsifying industrial detergent, followed by a water rinse. **Do not use hydrocarbon solvents for cleaning.**

Remove all surface contamination by washing with an appropriate cleaner, rinse thoroughly and allow to dry. Existing peeled or checked paint should be scraped and sanded to a sound surface. Glossy surfaces should be sanded dull. Stains from water, smoke, ink, pencil, grease, etc. should be sealed with the appropriate primer/sealer. Recognize that any surface preparation short of total removal of the old coating may compromise the service length of the system.

Iron & Steel - Minimum surface preparation is Hand Tool Clean per SSPC-SP2. Remove all oil and grease from surface per SSPC-SP1. For better performance, use Commercial Blast Cleaning per SSPC-SP6. Primer recommended for best performance. Prime any bare steel within 8 hours or before flash rusting occurs.

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

Galvanizing - 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-SP16 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.

Concrete Block - Surface should be thoroughly clean and dry. Air, material and surface temperatures must be at least 50°F (10°C) before filling. Use Pro Industrial Heavy Duty Block Filler or Loxon Acrylic Block Surfacer. The filler must be thoroughly dry before topcoating.

Masonry - All masonry must be free of dirt, oil, grease, loose paint, mortar, masonry dust, etc. Clean per SSPC-SP13-Nace 6-ICRI No. 310.2R, CSP 1-3. Poured, troweled, or tilt-up concrete, plaster, mortar, etc. must be thoroughly cured at least 30 days at 75°F. Form release compounds and curing membranes must be removed by brush blasting. Brick must be allowed to weather for one year prior to surface preparation and painting. Prime the area the same day as cleaned. Weathered masonry and soft or porous cement board must be brush blasted or power tool cleaned to remove loosely adhering contamination and to get to a hard, firm surface. Apply one coat Loxon Conditioner, following label recommendations. Primer required.

Wood - Surface must be clean, dry, and sound. Prime with recommended primer. No painting should be done immediately after a rain or during foggy weather. Knots and pitch streaks must be scraped, sanded and spot primed before full coat of primer is applied. All nail holes or small openings must be properly caulked. Sand to remove any loose or deteriorated surface wood and to obtain a proper surface profile.

SURFACE PREPARATION

Prefinished Siding (baked-on finishes)- Remove oil, grease, dirt, oxides, and other contaminants from the surface by cleaning per SSPC-SP1 or water blasting per NACE Standard RP-01-72. Always checks for compatibility of the previously painted surface with the new coating by applying a test patch of 2 - 3 square feet. Allow to dry thoroughly for 1 week before checking adhesion. DTM Bonding Primer is required.

Previously Painted Surfaces - If in sound condition, clean the surface of all foreign material. Smooth, hard or glossy coatings and surfaces should be dulled by abrading the surface. Apply a test area, allowing paint to dry one week before testing adhesion. If adhesion is poor, additional abrasion of the surface and/or removal of the previous coating may be necessary. Retest surface for adhesion. If paint is peeling or badly weathered, clean surface to sound substrate and treat as a new surface as above. Recognize that any surface preparation short of total removal of the old coating may compromise the service length of the system.

Mildew - Prior to attempting to remove mildew, it is always recommended to test any cleaner on a small, inconspicuous area prior to use. Bleach and bleaching type cleaners may damage or discolor existing paint films. Bleach alternative cleaning solutions may be advised.

Mildew may be removed before painting by washing with a solution of 1 part liquid bleach and 3 parts water. Apply the solution and scrub the mildewed area. Allow the solution to remain on the surface for 10 minutes. Rinse thoroughly with water and allow the surface to dry before painting. Wear protective eyewear, waterproof gloves, and protective clothing. Quickly wash off any of the mixture that comes in contact with your skin. Do not add detergents or ammonia to the bleach-water solution.

PERFORMANCE

Sher-Cryl HPA Gloss- 2 coats @ 3.0 mils D.F.T per coat
(unless otherwise noted)

Abrasion Resistance:

Method: ASTM D4060, CS17
Wheel, 1000 cycles, 1
kg load
Results: 59.1 mg loss

Adhesion:

Method: ASTM D4541
Results: 947 psi

Corrosion Weathering¹:

Method: ASTM D5894, 7 cycles
Results: Corrosion 8, Blistering 10

Direct Impact Resistance:

Method: ASTM D2794
Results: greater than 176 in. lb

Dry Heat Resistance:

Method: ASTM D2485 Method A
Results: 300°F/149°C

Flexibility:

Method: ASTM D522, 180° bend,
1/8" mandrel
Results: Pass

Humidity Resistance¹:

Method: ASTM D4585, 2186 hours
Results: Corrosion 10, Blistering 10

Pencil Hardness:

Method: ASTM D3363
Result: 4B

¹ 1 coat Sher-Cryl HPA over 1 coat Pro Industrial Pro-Cryl Universal Primer
Provides performance comparable to products in lieu of the Federal Specification: AA50570, and Paint Specification: SSPC-Paint 24.

SAFETY PRECAUTIONS

Before using, carefully read **CAUTIONS** on label. Refer to the Safety Data Sheets (SDS) before use.

FOR PROFESSIONAL USE ONLY.

Published technical data and instructions are subject to change without notice. Contact your Sherwin-Williams representative for additional technical data and instructions.

CLEANUP INFORMATION

Clean spills, spatters, hands and tools immediately after use with soap and warm water. After cleaning, flush spray equipment with compliant cleanup solvent to prevent rusting of the equipment. Follow manufacturer's safety recommendations when using solvents.

HOTW	04/09/2021	B66W00311	24 239
HOTW	04/09/2021	B66T00304	21 224
HOTW	04/09/2021	B66W00351	24 235
HOTW	04/09/2021	B66T00354	24 241
FRC			

Sher-Cryl™ HPA

High Performance Acrylic

B66-300 Series Gloss, B66-350 Series Semi-Gloss


**SHERWIN
WILLIAMS.**

CHARACTERISTICS

SHER-CRYL HPA is a higher performing ambient cured, one component acrylic coating with excellent performance properties.

Features:

- Chemical Resistant
- Outstanding humidity resistance
- Outstanding application characteristics
- Flash rust-early rust resistant
- Corrosion resistant
- Fast dry
- Suitable for use in USDA inspected facilities

Recommended for use in:

- Buildings & Warehouses
- Equipment & Machinery
- Storage Tanks & Piping & Structural Steel
- Manufacturing Facilities & New Construction
- Interior or Exterior

For use on properly prepared:

Steel, Galvanized & Aluminum, Concrete and Masonry, Wood, Previously Painted & Zinc rich primers

Finish: 80°+@60° Gloss
35-45°@60° Semi-Gloss

Color: Most colors

Recommended Spreading Rate per coat:

Extra White B66W00311 (may vary by base)

Wet mils: 6.0-10.0
Dry mils: 2.0-3.3
Coverage: 160-264 sq. ft. per gallon

Theoretical Coverage: 529 sq. ft. per gallon
@ 1 mil dry

Approximate spreading rates are calculated on volume solids and do not include any application loss.

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

Drying Schedule @ 7.0 mils wet, @ 50% RH:

Drying, and recoat times are temperature, humidity, and film thickness dependent.

	@50°F	@77°F	@110°F
To touch	1 hour	30 minutes	5 minutes
To handle	8 hours	5 hour	15 minutes
To recoat	8 hours	5 hour	15 minutes
To cure	30 days	30 days	30 days

Tinting with CCE only:

Base	oz. per gallon	Strength
Extra White	0-4	SherColor
Ultra-deep base	10-12	SherColor

Extra White B66W00311

(may vary by base)

V.O.C. (less exempt solvents): As mixed
239 grams per litre; 1.99 lbs. per gallon

As per 40 CFR 59.406

Volume Solids: 33 ± 2%
Weight Solids: 42 ± 2%
Weight per Gallon: 9.44 lb
Flash Point: N/A
Vehicle Type: Acrylic
Shelf Life: 36 months, unopened

COMPLIANCE

As of 04/09/2021, Complies with:

OTC	Yes
OTC Phase II	Yes
S.C.A.Q.M.D.	No
CARB	Yes
CARB SCM 2007	Yes
CARB SCM 2020	Yes
Canada	Yes
LEED® v4 & v4.1 Emissions	No
LEED® v4 & v4.1 V.O.C.	No
EPD-NSF® Certified	No
MIR-Product Lens Certified	No
MPI-(Gloss)	Yes

APPLICATION

Temperature: air, surface, and material
minimum 50°F / 10°C
maximum 120°F / 49°C

At least 5°F above dew point

Relative humidity: 85% maximum
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: Water
R8K10 - WB Hot Weather Reducer up to 10%

Airless Spray:
Pressure 1500 p.s.i.
Hose 1/4 inch I.D.
Tip .017 - .021 inch
Filter 60 mesh

Conventional Spray:
Gun Binks 95
Fluid Nozzle 66
Air Nozzle 63 PB
Atomization Pressure 50 p.s.i.
Fluid Pressure 15-20 p.s.i.
Reduction: As needed up to 12.5% by volume

Brush Nylon-polyester
Roller Cover 3/8 inch woven

If specific application equipment is listed above, equivalent equipment may be substituted.

Apply paint at the recommended film thickness and spreading rate as indicated on front page. Application of coating above maximum or below minimum recommended spreading rate may adversely affect coating performance. 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, over thinning, climatic conditions, and excessive film build. Application temperature above 95°F (35°C) may cause dry spray, uneven sheen, and poor adhesion. Application temperature below 50°F (10°C) may cause poor adhesion and lengthen the drying and curing time.

Mix paint thoroughly to a uniform consistency with slow speed power agitation prior to use.

Stripe coat 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.

During the early stages of drying, the coating is sensitive to rain, dew, high humidity and moisture condensation. Plan painting schedules to avoid these influences during the first 16-24 hours of curing.

SPECIFICATIONS

Steel:

1 coat Pro Industrial Pro-Cryl Primer
or Pro Industrial DTM Primer/Finish
or Kem Bonds HS
or Zinc Clad XI
2 coats Sher-Cryl HPA

Aluminum:

2 coats Sher-Cryl HPA

Aluminum:

1 coat Pro Industrial Pro-Cryl Primer
2 coats Sher-Cryl HPA

Concrete Block (CMU):

1 coat Pro Industrial Heavy Duty Blockfiller
or Loxon Acrylic Block Surfer
2 coats Sher-Cryl HPA

Concrete-Masonry:

1 coat Loxon Concrete & Masonry Primer
or Loxon Conditioner
2 coats Sher-Cryl HPA

Drywall:

1 coat ProMar 200 Zero V.O.C. Primer
2 coats Sher-Cryl HPA

Galvanizing:

2 coats Sher-Cryl HPA

Pre-Finished Siding: (Baked-on finishes)

1 coat DTM Bonding Primer
2 coats Sher-Cryl HPA

Previously Painted:

2 coats Sher-Cryl HPA

Wood, exterior:

1 coat Exterior Wood Primer
2 coats Sher-Cryl HPA

Wood, interior:

1 coat Premium Wall & Wood Primer
2 coats Sher-Cryl HPA

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

Sher-Cryl™

High Performance Acrylic

SURFACE PREPARATION

WARNING! Removal of old paint by sanding, scraping or other means may generate dust or fumes that contain lead. Exposure to lead dust or fumes may cause brain damage or other adverse health effects, especially in children or pregnant women. Controlling exposure to lead or other hazardous substances requires the use of proper protective equipment, such as a properly fitted respirator (NIOSH approved) and proper containment and cleanup. For more information, call the National Lead Information Center at **1-800-424-LEAD** (in US) or contact your local health authority.

When cleaning the surface per SSPC-SP1, use only an emulsifying industrial detergent, followed by a water rinse. **Do not use hydrocarbon solvents for cleaning.**

Remove all surface contamination by washing with an appropriate cleaner, rinse thoroughly and allow to dry. Existing peeled or checked paint should be scraped and sanded to a sound surface. Glossy surfaces should be sanded dull. Stains from water, smoke, ink, pencil, grease, etc. should be sealed with the appropriate primer/sealer. Recognize that any surface preparation short of total removal of the old coating may compromise the service length of the system.

Iron & Steel - Minimum surface preparation is Hand Tool Clean per SSPC-SP2. Remove all oil and grease from surface per SSPC-SP1. For better performance, use Commercial Blast Cleaning per SSPC-SP6. Primer recommended for best performance. Prime any bare steel within 8 hours or before flash rusting occurs.

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

Galvanizing - 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-SP16 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.

Concrete Block - Surface should be thoroughly clean and dry. Air, material and surface temperatures must be at least 50°F (10°C) before filling. Use Pro Industrial Heavy Duty Block Filler or Loxon Acrylic Block Surfacer. The filler must be thoroughly dry before topcoating.

Masonry - All masonry must be free of dirt, oil, grease, loose paint, mortar, masonry dust, etc. Clean per SSPC-SP13-Nace 6-ICRI No. 310.2R, CSP 1-3. Poured, troweled, or tilt-up concrete, plaster, mortar, etc. must be thoroughly cured at least 30 days at 75°F. Form release compounds and curing membranes must be removed by brush blasting. Brick must be allowed to weather for one year prior to surface preparation and painting. Prime the area the same day as cleaned. Weathered masonry and soft or porous cement board must be brush blasted or power tool cleaned to remove loosely adhering contamination and to get to a hard, firm surface. Apply one coat Loxon Conditioner, following label recommendations. Primer required.

Wood - Surface must be clean, dry, and sound. Prime with recommended primer. No painting should be done immediately after a rain or during foggy weather. Knots and pitch streaks must be scraped, sanded and spot primed before full coat of primer is applied. All nail holes or small openings must be properly caulked. Sand to remove any loose or deteriorated surface wood and to obtain a proper surface profile.

SURFACE PREPARATION

Prefinished Siding (baked-on finishes)- Remove oil, grease, dirt, oxides, and other contaminants from the surface by cleaning per SSPC-SP1 or water blasting per NACE Standard RP-01-72. Always checks for compatibility of the previously painted surface with the new coating by applying a test patch of 2 - 3 square feet. Allow to dry thoroughly for 1 week before checking adhesion. DTM Bonding Primer is required.

Previously Painted Surfaces - If in sound condition, clean the surface of all foreign material. Smooth, hard or glossy coatings and surfaces should be dulled by abrading the surface. Apply a test area, allowing paint to dry one week before testing adhesion. If adhesion is poor, additional abrasion of the surface and/or removal of the previous coating may be necessary. Retest surface for adhesion. If paint is peeling or badly weathered, clean surface to sound substrate and treat as a new surface as above. Recognize that any surface preparation short of total removal of the old coating may compromise the service length of the system.

Mildew - Prior to attempting to remove mildew, it is always recommended to test any cleaner on a small, inconspicuous area prior to use. Bleach and bleaching type cleaners may damage or discolor existing paint films. Bleach alternative cleaning solutions may be advised.

Mildew may be removed before painting by washing with a solution of 1 part liquid bleach and 3 parts water. Apply the solution and scrub the mildewed area. Allow the solution to remain on the surface for 10 minutes. Rinse thoroughly with water and allow the surface to dry before painting. Wear protective eyewear, waterproof gloves, and protective clothing. Quickly wash off any of the mixture that comes in contact with your skin. Do not add detergents or ammonia to the bleach-water solution.

PERFORMANCE

Sher-Cryl HPA Gloss- 2 coats @ 3.0 mils D.F.T per coat
(unless otherwise noted)

Abrasion Resistance:

Method: ASTM D4060, CS17
Wheel, 1000 cycles, 1
kg load
Results: 59.1 mg loss

Adhesion:

Method: ASTM D4541
Results: 947 psi

Corrosion Weathering¹:

Method: ASTM D5894, 7 cycles
Results: Corrosion 8, Blistering 10

Direct Impact Resistance:

Method: ASTM D2794
Results: greater than 176 in. lb

Dry Heat Resistance:

Method: ASTM D2485 Method A
Results: 300°F/149°C

Flexibility:

Method: ASTM D522, 180° bend,
1/8" mandrel
Results: Pass

Humidity Resistance¹:

Method: ASTM D4585, 2186 hours
Results: Corrosion 10, Blistering 10

Pencil Hardness:

Method: ASTM D3363
Result: 4B

¹ 1 coat Sher-Cryl HPA over 1 coat Pro Industrial Pro-Cryl Universal Primer
Provides performance comparable to products in lieu of the Federal Specification: AA50570, and Paint Specification: SSPC-Paint 24.

SAFETY PRECAUTIONS

Before using, carefully read **CAUTIONS** on label. Refer to the Safety Data Sheets (SDS) before use.

FOR PROFESSIONAL USE ONLY.

Published technical data and instructions are subject to change without notice. Contact your Sherwin-Williams representative for additional technical data and instructions.

CLEANUP INFORMATION

Clean spills, spatters, hands and tools immediately after use with soap and warm water. After cleaning, flush spray equipment with compliant cleanup solvent to prevent rusting of the equipment. Follow manufacturer's safety recommendations when using solvents.

HOTW	04/09/2021	B66W00311	24 239
HOTW	04/09/2021	B66T00304	21 224
HOTW	04/09/2021	B66W00351	24 235
HOTW	04/09/2021	B66T00354	24 241
FRC			

Sher-Cryl™ HPA

High Performance Acrylic

B66-300 Series Gloss, B66-350 Series Semi-Gloss


**SHERWIN
WILLIAMS.**

CHARACTERISTICS

SHER-CRYL HPA is a higher performing ambient cured, one component acrylic coating with excellent performance properties.

Features:

- Chemical Resistant
- Outstanding humidity resistance
- Outstanding application characteristics
- Flash rust-early rust resistant
- Corrosion resistant
- Fast dry
- Suitable for use in USDA inspected facilities

Recommended for use in:

- Buildings & Warehouses
- Equipment & Machinery
- Storage Tanks & Piping & Structural Steel
- Manufacturing Facilities & New Construction
- Interior or Exterior

For use on properly prepared:

Steel, Galvanized & Aluminum, Concrete and Masonry, Wood, Previously Painted & Zinc rich primers

Finish: 80°+@60° Gloss
35-45°@60° Semi-Gloss

Color: Most colors

Recommended Spreading Rate per coat:

Extra White B66W00311 (may vary by base)

Wet mils: 6.0-10.0
Dry mils: 2.0-3.3
Coverage: 160-264 sq. ft. per gallon

Theoretical Coverage: 529 sq. ft. per gallon
@ 1 mil dry

Approximate spreading rates are calculated on volume solids and do not include any application loss.

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

Drying Schedule @ 7.0 mils wet, @ 50% RH:

Drying, and recoat times are temperature, humidity, and film thickness dependent.

	@50°F	@77°F	@110°F
To touch	1 hour	30 minutes	5 minutes
To handle	8 hours	5 hour	15 minutes
To recoat	8 hours	5 hour	15 minutes
To cure	30 days	30 days	30 days

Tinting with CCE only:

Base	oz. per gallon	Strength
Extra White	0-4	SherColor
Ultra-deep base	10-12	SherColor

Extra White B66W00311

(may vary by base)

V.O.C. (less exempt solvents): As mixed
239 grams per litre; 1.99 lbs. per gallon

As per 40 CFR 59.406

Volume Solids: 33 ± 2%
Weight Solids: 42 ± 2%
Weight per Gallon: 9.44 lb
Flash Point: N/A
Vehicle Type: Acrylic
Shelf Life: 36 months, unopened

COMPLIANCE

As of 04/09/2021, Complies with:

OTC	Yes
OTC Phase II	Yes
S.C.A.Q.M.D.	No
CARB	Yes
CARB SCM 2007	Yes
CARB SCM 2020	Yes
Canada	Yes
LEED® v4 & v4.1 Emissions	No
LEED® v4 & v4.1 V.O.C.	No
EPD-NSF® Certified	No
MIR-Product Lens Certified	No
MPI-(Gloss)	Yes

APPLICATION

Temperature: air, surface, and material
minimum 50°F / 10°C
maximum 120°F / 49°C

At least 5°F above dew point

Relative humidity: 85% maximum
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: Water
R8K10 - WB Hot Weather Reducer up to 10%

Airless Spray:
Pressure 1500 p.s.i.
Hose 1/4 inch I.D.
Tip .017 - .021 inch
Filter 60 mesh

Conventional Spray:
Gun Binks 95
Fluid Nozzle 66
Air Nozzle 63 PB
Atomization Pressure 50 p.s.i.
Fluid Pressure 15-20 p.s.i.
Reduction: As needed up to 12.5% by volume

Brush Nylon-polyester
Roller Cover 3/8 inch woven

If specific application equipment is listed above, equivalent equipment may be substituted.

Apply paint at the recommended film thickness and spreading rate as indicated on front page. Application of coating above maximum or below minimum recommended spreading rate may adversely affect coating performance. 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, over thinning, climatic conditions, and excessive film build. Application temperature above 95°F (35°C) may cause dry spray, uneven sheen, and poor adhesion. Application temperature below 50°F (10°C) may cause poor adhesion and lengthen the drying and curing time.

Mix paint thoroughly to a uniform consistency with slow speed power agitation prior to use.

Stripe coat 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.

During the early stages of drying, the coating is sensitive to rain, dew, high humidity and moisture condensation. Plan painting schedules to avoid these influences during the first 16-24 hours of curing.

SPECIFICATIONS

Steel:

1 coat Pro Industrial Pro-Cryl Primer
or Pro Industrial DTM Primer/Finish
or Kem Bonds HS
or Zinc Clad XI
2 coats Sher-Cryl HPA

Aluminum:

2 coats Sher-Cryl HPA

Aluminum:

1 coat Pro Industrial Pro-Cryl Primer
2 coats Sher-Cryl HPA

Concrete Block (CMU):

1 coat Pro Industrial Heavy Duty Blockfiller
or Loxon Acrylic Block Surfer
2 coats Sher-Cryl HPA

Concrete-Masonry:

1 coat Loxon Concrete & Masonry Primer
or Loxon Conditioner
2 coats Sher-Cryl HPA

Drywall:

1 coat ProMar 200 Zero V.O.C. Primer
2 coats Sher-Cryl HPA

Galvanizing:

2 coats Sher-Cryl HPA

Pre-Finished Siding: (Baked-on finishes)

1 coat DTM Bonding Primer
2 coats Sher-Cryl HPA

Previously Painted:

2 coats Sher-Cryl HPA

Wood, exterior:

1 coat Exterior Wood Primer
2 coats Sher-Cryl HPA

Wood, interior:

1 coat Premium Wall & Wood Primer
2 coats Sher-Cryl HPA

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

Sher-Cryl™

High Performance Acrylic

SURFACE PREPARATION

WARNING! Removal of old paint by sanding, scraping or other means may generate dust or fumes that contain lead. Exposure to lead dust or fumes may cause brain damage or other adverse health effects, especially in children or pregnant women. Controlling exposure to lead or other hazardous substances requires the use of proper protective equipment, such as a properly fitted respirator (NIOSH approved) and proper containment and cleanup. For more information, call the National Lead Information Center at **1-800-424-LEAD** (in US) or contact your local health authority.

When cleaning the surface per SSPC-SP1, use only an emulsifying industrial detergent, followed by a water rinse. **Do not use hydrocarbon solvents for cleaning.**

Remove all surface contamination by washing with an appropriate cleaner, rinse thoroughly and allow to dry. Existing peeled or checked paint should be scraped and sanded to a sound surface. Glossy surfaces should be sanded dull. Stains from water, smoke, ink, pencil, grease, etc. should be sealed with the appropriate primer/sealer. Recognize that any surface preparation short of total removal of the old coating may compromise the service length of the system.

Iron & Steel - Minimum surface preparation is Hand Tool Clean per SSPC-SP2. Remove all oil and grease from surface per SSPC-SP1. For better performance, use Commercial Blast Cleaning per SSPC-SP6. Primer recommended for best performance. Prime any bare steel within 8 hours or before flash rusting occurs.

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

Galvanizing - 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-SP16 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.

Concrete Block - Surface should be thoroughly clean and dry. Air, material and surface temperatures must be at least 50°F (10°C) before filling. Use Pro Industrial Heavy Duty Block Filler or Loxon Acrylic Block Surfacer. The filler must be thoroughly dry before topcoating.

Masonry - All masonry must be free of dirt, oil, grease, loose paint, mortar, masonry dust, etc. Clean per SSPC-SP13-Nace 6-ICRI No. 310.2R, CSP 1-3. Poured, troweled, or tilt-up concrete, plaster, mortar, etc. must be thoroughly cured at least 30 days at 75°F. Form release compounds and curing membranes must be removed by brush blasting. Brick must be allowed to weather for one year prior to surface preparation and painting. Prime the area the same day as cleaned. Weathered masonry and soft or porous cement board must be brush blasted or power tool cleaned to remove loosely adhering contamination and to get to a hard, firm surface. Apply one coat Loxon Conditioner, following label recommendations. Primer required.

Wood - Surface must be clean, dry, and sound. Prime with recommended primer. No painting should be done immediately after a rain or during foggy weather. Knots and pitch streaks must be scraped, sanded and spot primed before full coat of primer is applied. All nail holes or small openings must be properly caulked. Sand to remove any loose or deteriorated surface wood and to obtain a proper surface profile.

SURFACE PREPARATION

Prefinished Siding (baked-on finishes)- Remove oil, grease, dirt, oxides, and other contaminants from the surface by cleaning per SSPC-SP1 or water blasting per NACE Standard RP-01-72. Always checks for compatibility of the previously painted surface with the new coating by applying a test patch of 2 - 3 square feet. Allow to dry thoroughly for 1 week before checking adhesion. DTM Bonding Primer is required.

Previously Painted Surfaces - If in sound condition, clean the surface of all foreign material. Smooth, hard or glossy coatings and surfaces should be dulled by abrading the surface. Apply a test area, allowing paint to dry one week before testing adhesion. If adhesion is poor, additional abrasion of the surface and/or removal of the previous coating may be necessary. Retest surface for adhesion. If paint is peeling or badly weathered, clean surface to sound substrate and treat as a new surface as above. Recognize that any surface preparation short of total removal of the old coating may compromise the service length of the system.

Mildew- Prior to attempting to remove mildew, it is always recommended to test any cleaner on a small, inconspicuous area prior to use. Bleach and bleaching type cleaners may damage or discolor existing paint films. Bleach alternative cleaning solutions may be advised.

Mildew may be removed before painting by washing with a solution of 1 part liquid bleach and 3 parts water. Apply the solution and scrub the mildewed area. Allow the solution to remain on the surface for 10 minutes. Rinse thoroughly with water and allow the surface to dry before painting. Wear protective eyewear, waterproof gloves, and protective clothing. Quickly wash off any of the mixture that comes in contact with your skin. Do not add detergents or ammonia to the bleach-water solution.

PERFORMANCE

Sher-Cryl HPA Gloss- 2 coats @ 3.0 mils D.F.T per coat
(unless otherwise noted)

Abrasion Resistance:

Method: ASTM D4060, CS17
Wheel, 1000 cycles, 1
kg load
Results: 59.1 mg loss

Adhesion:

Method: ASTM D4541
Results: 947 psi

Corrosion Weathering¹:

Method: ASTM D5894, 7 cycles
Results: Corrosion 8, Blistering 10

Direct Impact Resistance:

Method: ASTM D2794
Results: greater than 176 in. lb

Dry Heat Resistance:

Method: ASTM D2485 Method A
Results: 300°F/149°C

Flexibility:

Method: ASTM D522, 180° bend,
1/8" mandrel
Results: Pass

Humidity Resistance¹:

Method: ASTM D4585, 2186 hours
Results: Corrosion 10, Blistering 10

Pencil Hardness:

Method: ASTM D3363
Result: 4B

¹ 1 coat Sher-Cryl HPA over 1 coat Pro Industrial Pro-Cryl Universal Primer
Provides performance comparable to products in lieu of the Federal Specification: AA50570, and Paint Specification: SSPC-Paint 24.

SAFETY PRECAUTIONS

Before using, carefully read **CAUTIONS** on label. Refer to the Safety Data Sheets (SDS) before use.

FOR PROFESSIONAL USE ONLY.

Published technical data and instructions are subject to change without notice. Contact your Sherwin-Williams representative for additional technical data and instructions.

CLEANUP INFORMATION

Clean spills, spatters, hands and tools immediately after use with soap and warm water. After cleaning, flush spray equipment with compliant cleanup solvent to prevent rusting of the equipment. Follow manufacturer's safety recommendations when using solvents.

HOTW	04/09/2021	B66W00311	24 239
HOTW	04/09/2021	B66T00304	21 224
HOTW	04/09/2021	B66W00351	24 235
HOTW	04/09/2021	B66T00354	24 241
FRC			



Protective & Marine Coatings
PRODUCT DATA SHEET



SHER-LOXANE® 800

TWO COMPONENT POLYSILOXANE

Revised: December 5, 2018

PRODUCT DESCRIPTION

SHER-LOXANE 800 is a versatile, high performance, two component polysiloxane (epoxy siloxane hybrid) that combines the properties of both a high performance epoxy and a polyurethane.

INTENDED USES

- Recommended for use on new construction, repair and field maintenance coating projects. It provides effective long-term corrosion control and weatherability.
- Can be applied directly over inorganic zincs
- <100 g/L VOC, no isocyanates

PRODUCT DATA

Finish:	Gloss	
Colors:	Wide range of colors available	
Volume Solids:	90% ± 3%, mixed	
VOC (EPA Method 24):	<100 g/L; 0.77 lb/gal	
Mix Ratio:	4:1 by volume	
Typical Thickness:		
	<u>Recommended Spreading Rate per coat:</u>	
	Minimum	Maximum
Wet mils (microns)	5.0 (125)	7.0 (175)
Dry mils (microns)	4.0 (100)	6.0 (150)
~Coverage sq ft/gal (m²/L)	240 (6.0)	360 (9.0)
Theoretical coverage sq ft/gal (m²/L) @ 1 mil / 25 microns dft	1443 (35.4)	
<i>NOTE: Brush or roll application may require multiple coats to achieve maximum film thickness and uniformity of appearance.</i>		
Shelf Life:	12 months, unopened Store indoors at 40°F (4.5°C) to 100°F (38°C)	
Flash Point:	Part A: >200°F (93°C), PMCC Part B: 145°F (63°C), PMCC	
Reducer:	Not required (MEK or Oxsol 100)	
Clean Up:	MEK, MIBK, MAK, Oxsol 100	
Weight:	10.90 ± 0.2 lb/gal ; 1.3 Kg/L, mixed May vary by color	

Average Drying Times @ 5.0 mils wet (125 microns):

	40°F (4.5°C)	77°F (25°C)	90°F (32°C)
	50% RH	50% RH	50% RH
Touch:	8 hours	2 hours	1.5 hours
Handle:	21 hours	6 hours	4 hours
Recoat:			
minimum:	16 hours	3 hours	1.5 hours
maximum:	1 year	1 year	1 year
Cure to service:	7-8 days	7 days	3 days
Pot Life*:		4 hours	
Sweat-in-time:		none required	

*Pot life is dependent upon temperature and mass

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

Packaging:

- 1.25 gallons (4.7L) mixed
 - Part A:** 1 gallon (3.8L) in a 1 gallon (3.8L) container
 - Part B:** 1 quart (0.9L) container
- 5 gallons (18.9L) mixed
 - Part A:** 4 gallons (15.1L) in a 5 gallon (18.9L) container
 - Part B:** 1 gallon (3.78L) container

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: Atmospheric: SSPC-SP6/NACE 3/ ISO8501-1:2007 Sa 2, 2-3 mil profile (50-75 microns)
- Concrete & Masonry: Atmospheric: SSPC-SP13/NACE 6 - 4.3.1 or 4.3.2 or ICRI No. 310.2R CSP 2-3
- Galvanized: Sweep blast to SSPC SP-16 with a blast profile of 1.5-3 mils (40-75 microns)



Protective & Marine Coatings
PRODUCT DATA SHEET



SHER-LOXANE® 800

TWO COMPONENT POLYSILOXANE

APPLICATION	APPLICATION CONDITIONS
Airless Spray Pump.....35:1 minimum Pressure.....2000 psi minimum (137 bar) Tip0.15"-0.19" (0.38-0.48 mm)	Temperature (air, surface, material): 40°F (4.5°C) minimum, 120°F (49°C) maximum At least 5°F (2.8°C) above dew point
Conventional Spray GunBinks 95 Fluid Nozzle67 Air Nozzle.....667 Atomization Pressure.....60 psi (4 bar) Fluid Pressure.....20 psi (0.7 bar)	Relative humidity: 40-85% recommended <i>Note: <40% RH will increase dry times; >85% will decrease dry times</i>
Plural Component Spray Consult your SW sales or technical service representative	APPROVALS <ul style="list-style-type: none">Meets USDA requirement for incidental contactTwo coats of Sher-Loxane 800 @ 100 microns per coat applied direct-to-metal is in full accordance with the requirements of ISO 12944-6 (1998), Corrosivity Category C3 High.
Brush Brush.....Natural Bristle Note: Required film thickness may not be achieved in one coat	ADDITIONAL NOTES Tint 150% tint strength with Maxitoner Colorants only into Part A. Five minutes minimum mixing on a mechanical shaker is required for complete mixing of color.
Roller Cover3/8" woven with solvent resistant core	Stripe coat all crevices, welds, and sharp angles to prevent early failure in these areas.
If specific application equipment is not listed above, equivalent equipment may be substituted.	Do not mix previously catalyzed material with new.
RECOMMENDED SYSTEMS	HEALTH AND SAFETY
Dry Film Thickness / ct. Mils (Microns) Steel, Inorganic Zinc/Polysiloxane Topcoat, Atmospheric 1 Ct. Zinc Clad II (85) 2.0-4.0 (50-100) 1 Ct.** Sher-Loxane 800 4.0-6.0 (100-150) **Use a mist coat/full coat technique. Up to 10% MEK or 5% Oxsol 100 reduction is recommended. Steel, Organic Zinc/Polysiloxane, Atmospheric 1 Ct. Zinc Clad IV (85) 3.0-5.0 (75-125) 1 Ct. Sher-Loxane 800 4.0-6.0 (100-150) Steel, Atmospheric 1*-2 Cts. Sher-Loxane 800 4.0-6.0 (100-150) *One coat acceptable in light industrial environments Steel, Atmospheric 1 Ct. Macropoxy 267 5.0 (125) 1 Ct. Sher-Loxane 800 4.0-6.0 (100-150) Steel, Atmospheric 1 Ct. Macropoxy 646 5.0-10.0 (125-250) 1 Ct. Sher-Loxane 800 4.0-6.0 (100-150) Steel, Inorganic Zinc/Epoxy/Polysiloxane, Atmospheric 1 Ct. Zinc Clad II (85) 2.0-4.0 (50-100) 1 Ct. Macropoxy 646 5.0-10.0 (125-250) 1 Ct. Sher-Loxane 800 4.0-6.0 (100-150) Steel, Epoxy/Epoxy/Polysiloxane, Atmospheric 1 Ct. Macropoxy 646 5.0-10.0 (125-250) 1 Ct. Macropoxy 646 5.0-10.0 (125-250) 1 Ct. Sher-Loxane 800 4.0-6.0 (100-150)	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. 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 Sheet.



Protective & Marine Coatings
PRODUCT DATA SHEET



MACROPOXY® 646

FAST CURE EPOXY

Revised: May 13, 2019

PRODUCT DESCRIPTION

MACROPOXY 646 Fast Cure Epoxy is a high solids, high build, fast drying, polyamide epoxy designed to protect steel and concrete in industrial exposures. Ideal for maintenance painting and fabrication shop applications. The high solids content ensures adequate protection of sharp edges, corners, and welds. This product can be applied directly to marginally prepared steel surfaces.

INTENDED USES

- Recommended for marine applications, refineries, offshore platforms, fabrication shops, chemical plants, tank exteriors, power plants, water treatment plants, and mining and minerals industry
- Mill White and Black are acceptable for immersion use for salt water and fresh water, not acceptable for potable water

PRODUCT DATA

Finish:	Semi-Gloss		Average Drying Times @ 7.0 mils (175 microns) wet:		
Colors:	Mill White, Black and a wide range of colors available through tinting		35°F (1.7°C)	77°F (25°C)	100°F (38°C)
			50% RH	50% RH	50% RH
Volume Solids:	72% ± 2%, mixed, Mill White		Touch:	4-5 hours	2 hours
VOC (mixed):	Unreduced: <250 g/L; 2.08 lb/gal Reduced 10%: <300 g/L; 2.50 lb/gal		Handle:	48 hours	8 hours
Mix Ratio:	1:1 by volume		Recoat:		4.5 hours
Typical Thickness:			minimum:	48 hours	8 hours
			maximum:	1 year	1 year
			Cure to service:		
			atmospheric:	10 days	7 days
			immersion:	14 days	7 days
					4 days
					4 days
			Average Drying Times as intermediate @ 5.0 mils (125 microns) wet:		
			Touch:	3 hours	1 hour
			Handle:	48 hours	4 hours
			Recoat:		2 hours
			minimum:	16 hours	4 hours
			maximum:	1 year	1 year
			<i>If maximum recoat time is exceeded, abrade surface before recoating. Drying time is temperature, humidity, and film thickness dependent. Paint temperature must be 40°F (4.5°C) minimum.</i>		
			Pot Life:	10 hours	4 hours
			Sweat-in-time:	30 minutes	30 minutes
					15 minutes

Finish:	Semi-Gloss	
Colors:	Mill White, Black and a wide range of colors available through tinting	
Volume Solids:	72% ± 2%, mixed, Mill White	
VOC (mixed):	Unreduced: <250 g/L; 2.08 lb/gal Reduced 10%: <300 g/L; 2.50 lb/gal	
Mix Ratio:	1:1 by volume	
Typical Thickness:		
	<u>Recommended Spreading Rate per coat:</u>	
	Minimum	Maximum
Wet mils (microns)	7.0 (175)	13.5 (338)
Dry mils (microns)	5.0* (125)	10.0 (250)
~Coverage sq ft/gal (m²/L)	115 (2.9)	230 (5.8)
Theoretical coverage sq ft/gal (m²/L) @ 1 mil / 25 microns dft	1152 (28.2)	
<i>*May be applied at 3.0-10.0 mils (75-250 microns) dft as an intermediate in a multicoat system.</i>		
<i>NOTE: Brush or roll application may require multiple coats to achieve maximum film thickness and uniformity of appearance.</i>		
Shelf Life:	36 months, unopened Store indoors at 40°F (4.5°C) to 110°F (43°C).	
Flash Point:	91°F (33°C), TCC, mixed	
Reducer/Clean Up:	Reducer #15 or Reducer #58 (California) Reducer #111 or Oxsol 100	
Weight:	12.9 ± 0.2 lb/gal ; 1.55 Kg/L, mixed, may vary by color	

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: Atmospheric: SSPC-SP2/3/ ISO8501-1:2007 St 2 or SSPC-SP WJ-3 / NACE WJ-3L
Immersion: SSPC-SP10 / NACE 2/ ISO8501-1:2007 Sa 2.5, 2-3 mil (50-75 micron) profile or SSPC-SP WJ-2/NACE WJ-2L

Aluminum & Galvanizing: SSPC-SP1

Concrete & Masonry: Atmospheric: SSPC-SP13/NACE 6, or ICRI No. 310.2R CSP 1-3
Immersion: SSPC-SP13/NACE 6-4.3.1



Protective & Marine Coatings

PRODUCT DATA SHEET



MACROPOXY® 646

FAST CURE EPOXY

APPLICATION			APPLICATION CONDITIONS	
Airless Spray* Pump.....30:1 Pressure.....2800-3000 psi (193-206 bar) Hose.....1/4" ID (6.3 mm) Tip.....017"-.023" (0.43-0.58 mm) Filter.....60 mesh Reduction.....As needed up to 10% by volume			Temperature: Air: 35°F (1.7°C) minimum, 120°F (49°C) maximum Surface*: 35°F (1.7°C) minimum, 250°F (120°C) maximum Material: 40°F (4.5°C) minimum At least 5°F (2.8°C) above dew point Relative humidity: 85% maximum	
Conventional Spray* Gun.....DeVilbiss MBC-510 Fluid Tip.....E Air Nozzle.....704 Atomization Pressure.....60-65 psi (4.1-4.5 bar) Fluid Pressure.....10-20 psi (0.7-1.4 bar)			*When spraying a surface above 120°F (49°C), reduce material 10% with Reducer #100, R7K100. Spray apply only. Product will produce an orange peel appearance when applied at elevated temperatures.	
Brush* Brush.....Nylon/Polyester or Natural Bristle			APPROVALS	
Roller* Cover.....3/8" woven with solvent resistant core			<ul style="list-style-type: none">• Suitable for use in USDA Inspected facilities• Acceptable for use in Canadian Food Processing facilities, categories: D1, D2, D3 (Confirm acceptance of specific part numbers/rexes with your SW Sales Representative)• Conforms to AWWA D102 OCS #5• Conforms to MPI # 108• This product meets specific design requirements for non-safety related nuclear plant applications in Level II, III and Balance of Plant, and DOE nuclear facilities*• Meets Class A requirements for Slip Coefficient, 0.36 @ 6 mils / 150 microns dft (Mill White only)	
Plural Component Spray ..Acceptable			* Nuclear qualifications are NRC license specific to the facility	
*Reduction.....As needed up to 10% by volume			ADDITIONAL NOTES	
If specific application equipment is not listed above, equivalent equipment may be substituted.			Tint Part A with Maxitones at 150% strength. Five minutes minimum mixing on a mechanical shaker is required for complete mixing of color.	
RECOMMENDED SYSTEMS				
Dry Film Thickness / ct.	Mils	(Microns)		
Steel, Immersion & Atmospheric			Tinting is not recommended for immersion service.	
2 Cts. Macropoxy 646	5.0-10.0	(125-250)	Quik-Kick Epoxy Accelerator is acceptable for use. See data page for details.	
Steel, Organic Zinc Primer, Atmospheric			Acceptable for concrete floors.	
1 Ct. Zinc Clad IV (85)	3.0-5.0	(75-125)	When spraying a surface above 120°F (49°C), reduce material 10% with Reducer #100. Spray apply only. Product will produce an orange peel appearance when applied at elevated temperatures.	
1 Ct. Macropoxy 646	5.0-10.0	(125-250)	Topcoating: It is recommended to apply a thinned-down, low wet film thickness mist coat over zinc rich primers to help avoid outgassing. Allow it to tack up and seal the surface. Then apply a full wet film thickness coat as directed.	
Steel, Inorganic Zinc Primer, Atmospheric			Mix contents of each component thoroughly with low speed power agitation. Make certain no pigment remains on the bottom of the can. Then combine one part 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 prior to application. Re-stir before using.	
1 Ct. Zinc Clad II (85)	2.0-4.0	(50-100)		
1 Ct. Macropoxy 646	5.0-10.0	(125-250)		
Steel, Organic Zinc/Epoxy/Urethane Topcoat				
1 Ct. Zinc Clad IV (85)	3.0-5.0	(75-125)		
1 Ct. Macropoxy 646	3.0-10.0	(75-250)		
1 Ct. Acrolon 7300	2.0-4.0	(50-100)		
Steel, Inorganic Zinc/Epoxy/Urethane Topcoat				
1 Ct. Zinc Clad II (85)	2.0-4.0	(50-100)		
1 Ct. Macropoxy 646	3.0-10.0	(75-250)		
1 Ct. Acrolon 7300	2.0-4.0	(50-100)		
Steel, Organic Zinc/Epoxy/Polysiloxane Topcoat, Atmospheric				
1 Ct. Zinc Clad IV (85)	3.0-5.0	(75-125)		
1 Ct. Macropoxy 646	3.0-10.0	(75-250)		
1-2 Cts. Sher-Loxane 800	2.0-4.0	(50-100)		
Concrete/Masonry, Smooth, Immersion & Atmospheric				
2 Cts. Macropoxy 646	5.0-10.0	(125-250)		
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.	
			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 Sheet.	