

3. Contractor's Bid Form

Bid Date: 3/4/26

Project: **IFB-5836-26-DD "Water Treatment Plant South Tank Recoating Project"**

Bidding Company: Mandros Painting, Inc.

Name of Authorized Agent: Richard B. Mandros

Email sales@mandros.net

Telephone 3078756555 Address 45 Lagoon Rd.

City Rock Springs State WY Zip 82901

The undersigned Offeror, in compliance with the Invitation for Bids, having examined the Instruction to Offerors, General Contract Conditions, Statement of Work, Specifications, and any and all Addenda thereto, having investigated the location of, and conditions affecting the proposed Work, hereby proposes to furnish all labor, materials and supplies, and to perform all Work for the Project in accordance with Contract Documents, within the time set forth and at the prices stated below. These prices are to cover all expenses incurred in performing the Work required under the Contract Documents, of which this Contractor's Bid Form is a part.

The undersigned Contractor does hereby declare and stipulate that this offer is made in good faith without collusion or connection to any person(s) providing an offer for the same Work, and that it is made in pursuance of, and subject to, all terms and conditions of the Instructions to Offerors, the Specifications, and all other Solicitation Documents, all of which have been examined by the undersigned.

The Contractor also agrees that if awarded the Contract, to provide insurance certificates within ten (10) working days of the date of Notification of Award. Submittal of this offer will be taken by the Owner as a binding covenant that the Contractor will be prepared to complete the project in its entirety.

The Owner reserves the right to make the award on the basis of the offer deemed most favorable, to waive any formalities or technicalities and to reject any or all offers. It is further agreed that this offer may not be withdrawn for a period of sixty (60) calendar days after closing time. Submission of clarifications and revised offers automatically establish a new thirty day (30) period.

Prices in the bid proposal have not knowingly been disclosed with another provider and will not be prior to award.

- Prices in this bid proposal have been arrived at independently, without consultation, communication or agreement for the purpose of restricting competition.
- No attempt has been made nor will be to induce any other person or Contractor to submit a bid proposal for the purpose of restricting competition.
- The individual signing this bid proposal certifies they are a legal agent of the offeror, authorized to represent the offeror and is legally responsible for the offer with regard to supporting documentation and prices provided.
- Direct purchases by the City of Grand Junction are tax exempt from Colorado Sales or Use Tax. Tax exempt No. 98-03544. The undersigned certifies that no Federal, State, County or Municipal tax will be added to the above quoted prices.
- City of Grand Junction payment terms shall be Net 30 days.
- Prompt payment discount of 1% percent of the net dollar will be offered to the Owner if the invoice is paid within 15 days after the receipt of the invoice. The Owner reserves the right to take into account any such discounts when determining the bid award that are no less than Net 10 days.

RECEIPT OF ADDENDA: the undersigned Contractor acknowledges receipt of Addenda to the Solicitation, Specifications, and other Contract Documents.

State number of Addenda received: 3

It is the responsibility of the Offeror to ensure all Addenda have been received and acknowledged.

By signing below, the Undersigned agree to comply with all terms and conditions contained herein.

Company: Mandros Painting, Inc.

Authorized Signature: 

Date Signed: 3/3/26

The undersigned Offeror proposes to subcontract the following portion of Work:

<u>Name & address of Sub-Contractor</u>	<u>Description of Work to be performed</u>	<u>% of Contract</u>
<u>Commander Industrial</u>	<u>Mechanical/ Welding</u>	<u>7.6%</u>
<u> </u>	<u> </u>	<u> </u>
<u> </u>	<u> </u>	<u> </u>
<u> </u>	<u> </u>	<u> </u>

The undersigned Offeror acknowledges the right of the City to reject any and all Bids submitted and to waive informalities and irregularities therein in the City's sole discretion.

By submission of the Bid, each Offeror certifies, and in the case of a joint Bid each party thereto certifies as to its own organization, that this Bid has been arrived at independently, without collusion, consultation, communication, or agreement as to any matter relating to this Bid with any other Offeror or with any competitor.

Price Bid Schedule
Water Treatment Plant South Tank Recoating Project IFB-5836-26-DD
Addendum No. 2

ALL BIDS MUST INCLUDE MANUFACTURER SPECIFICATIONS AND WARRANTY

Bid: Full Interior Recoat w/ AWWA D102 ICS-3 (Epoxy w/ Zinc Primer)

Coat	Product	DFT (mils)
Primer	Corothane I GalvaPac	2.5
Stripe	SHERPLATE 600	5-8
Topcoat	SHERPLATE PW EPOXY	20
Total System		22.5

Item	Description	Qty	Unit	Extended Price
1	Mobilization	1	LS	
2	Prep SP10 Complete Interior	1	LS	
3	Coat ICS-3 Complete Interior	1	LS	
4	Caulking Seal	1	LS	
Total Price Not to Exceed Amount				_____
Written Amount:				_____ dollars

Add Alternate 1: Replace Outlet Nozzle

Item	Description	Qty	Unit	Extended Price
1	Replace Outlet Nozzle	1	LS	
Total Price Not to Exceed Amount				_____
Written Amount:				_____ dollars

Add Alternate 2: Seal Exterior Floor Plate

Item	Description	Qty	Unit	Extended Price
1	Seal Exterior Floor Plate	1	LS	
Total Price Not to Exceed Amount				_____
Written Amount:				_____ dollars

Provide Contact Information for at least Two (2) References:

Merlin Rushton, Rocky Mountain Power. 435-650-6616 Merlin.rushton@rockymountainpower.net

Heather Salinas, WE Soda. 307-872-2558 hsalinas@wesoda.com

Company: Mandros Painting, Inc.

Authorized Signature: 

Title: President, CEO

Date: 3/4/26



Protective
&
Marine
Coatings



Certified to
NSF/ANSI/CAN 61
Meeting Health
Effects Requirements
of NSF/ANSI/CAN
600

COROTHANE® I GALVAPAC 1K ZINC PRIMER

B65G11

GRAY

B65RW11

RED

Revised: July 31, 2024

PRODUCT INFORMATION

5.14

PRODUCT DESCRIPTION

COROTHANE I GALVAPAC 1K ZINC PRIMER is a moisture curing urethane zinc-rich primer. Designed for low temperature application to steel surfaces.

- Low temperature application - down to 20°F (-7°C)
- NSF approved to Standard 61/600 for potable water
- Abrasion and chemical resistant
- Easy to apply and recoat
- Usable for immersion service with recommended topcoat
- Resistant to mudcracking
- Meets Class B requirements for Slip Coefficient and Creep Resistance, .54
- Enhanced coating strength and edge protection with micaceous iron oxide addition

PRODUCT CHARACTERISTICS

Finish:	Flat
Color:	Gray and Red
Volume Solids:	67% ± 2%
Weight Solids:	91.7% ± 2%
VOC (calculated):	Unreduced: <300 g/L; 2.5 lb/gal Reduced 9% with R7K216: <340 g/L; 2.8 lb/gal

Zinc Content in Dry Film: 85% minimum by weight

Recommended Spreading Rate per coat:

	Standard		AWWA	
	Min.	Max.	Min.	Max.
Wet mils (microns)	4.5	112	6.8	170
Dry mils (microns)	3.0	75	4.0	100
~Coverage sq ft/gal (m²/L)	268	6.5	358	8.8
Theoretical coverage sq ft/gal (m²/L) @ 1 mil/25 micron dft	1072 (26.2)			

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

*See Recommended Systems on reverse side

Drying Schedule @ 5.0 mils wet (125 microns):

@ 40°F/4.5°C @ 77°F/25°C @ 100°F/38°C
50% RH

To touch: 45 minutes 20 minutes 10 minutes

To recoat:

minimum, atmospheric:	8 hours	4-6 hours	1 hour
minimum, immersion:	24 hours	12 hours	10 hours
maximum:	12 months	12 months	12 months

To cure:

atmospheric:	5 days	3 days	1 day
immersion:	14 days	7 days	5 days

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

For potable water service, consult www.nsf.org for details on recoat and dry times at indicated temperature. Sterilize and rinse per AWWA C652.

Shelf Life:	12 months, unopened Store indoors at 40°F (4.5°C) to 100°F (38°C).
Flash Point:	94°F (34°C), PMCC
Reducer*:	Reducer No. 15 (R7K15), Polane Retarder (R7K216), or VOC exempt: Reducer No. 111 (R7K111)
Clean Up**:	VOC Restricted areas (≤25 g/L, or ≤3%): Acetone or MEK

*Reducer No. 111 (R7K111) and Polane Retarder (R7K216) cannot be used for NSF applications. Reducer No. 15 (R7K15) is potable water approved up to 10% by volume.

**Other VOC areas (>25 g/L, or >3%): use Acetone, MEK, R7K15, R7K216 or R7K111. Choose a solvent that is compliant in your area. Confirm compliance with state and local air quality rules before use.

RECOMMENDED USES

- **Immersion Service - potable water:** Meets NSF Standard 61/600 for use in potable water storage.
 - 250,000 gallon untopcoated
 - 20,000 gallon minimum topcoated
- Meets requirements of SSPC Paint Spec No. 40, Type I and Type II, for zinc rich moisture cure urethane primer
- Meets requirements of SSPC Paint 20, Level 1
- As a primer in a urethane coating system for bridges, tanks, chemical, and marine structures
- Ideal for priming water assisted abrasive blasted surfaces where flash rusting or blooming limits the use of conventional zinc rich coatings
- Acceptable for use with cathodic protection with select topcoats
- Conforms to AWWA D102 Inside Coating System #3 (ICS-3), Inside Coating System #5 (ICS-5), Inside Coating System #6 (ICS-6), Outside Coating System #2 (OCS-2), Outside Coating System #3 (OCS-3), Outside Coating System #4 (OCS-4), and Outside Coating System #6 (OCS-6)
- A component of INFINITANK

PERFORMANCE CHARACTERISTICS

Substrate*: Steel

Surface Preparation*: SSPC-SP5

System Tested*:

- 1 ct. Corothane I GalvaPac 1K Zinc Primer @ 3.5 mils (88 microns) dft
- 1 ct. Corothane I MIO-Aluminum @ 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	45 mg loss
Adhesion (GalvaPac only)	ASTM D4541; ASTM D3359	1943 psi (ASTM D4541); 5B (ASTM D3359)
Corrosion Weathering	ASTM D5894, 15 cycles, 5000 hours	Rating 10 per ASTM D610 Rusting (field); Rating 10 per ASTM D714 Blistering
Direct Impact Resistance (Galva-Pac only)	ASTM G14	160 in. lb.
Dry Heat Resistance	ASTM D2485	300°F (149°C) continuous, 350°F (177°C) intermittent
Flexibility	ASTM D522, 180° bend, 1/4" mandrel	Passes
Immersion (Galvapac/2 cts Macropoxy 646 NSF)	5 year potable water	Rating 10 per ASTM D610 for Rusting; Rating 10 per ASTM D714 for Blistering
Moisture Condensation Resistance (GalvaPac only)	ASTM D4585, 100°F (38°C), 4000 hours	Rating 10 per ASTM D610 for Rusting; Rating 10 per ASTM D714 for Blistering
Pencil Hardness	ASTM D3363	2H (zinc only)
Salt Fog Resistance (GalvaPac only)	ASTM B117, 5000 hours	Rating 10 per ASTM D610 for Rusting; Rating 10 per ASTM D714 for Blistering
Slip Coefficient* (GalvaPac only)	AISC Specification for Structural Joints Using ASTM A325 or ASTM A490 Bolts	Class B, .54, tension and creep <.005"
Wet Heat Resistance	Non-immersion	190°F (88°C)

*Consult your Sherwin-Williams Representative regarding this product's Slip Certification document



**Protective
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**COROTHANE® I GALVAPAC
1K ZINC PRIMER**

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Revised: July 31, 2024

PRODUCT INFORMATION

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RECOMMENDED SYSTEMS

Dry Film Thickness / ct.
Mils (Microns)

Immersion Service (Potable Water), Steel:

*AWWA D102: Inside Coating System No. 5 minimum AWWA	10.0	(250)
1 ct. Corothane I GalvaPac 1K Zinc Primer	2.0	(50)
2 ct. SherPlate 600	4.0	(100)

Immersion Services (Potable Water), Steel:

1 ct. Corothane I GalvaPac 1K Zinc Primer	3.0-4.0	(75-100)
2 cts. SherPlate 600	3.0-18.0	(75-450)

Immersion Services (Potable Water), Ductile Iron Pipe:

1 ct. Corothane I GalvaPac 1K Zinc Primer	3.0-4.0	(75-100)
2 cts. SherPlate 600	3.0-18.0	(75-450)

Immersion Service (Non-Potable Water), Steel:

1 ct. Corothane I GalvaPac 1K Zinc Primer	3.0-4.0	(75-100)
2 cts. Corothane I Coal Tar	5.0-7.0	(125-175)

Atmospheric Service, Steel:

*AWWA D102 Outside Coating System No.2 minimum AWWA	7.5	(188)
1 ct. Corothane I GalvaPac 1K Zinc Primer	3.0	(75)
1 ct. Corothane Ironox B	3.0	(75)
1 ct. Corothane I HS	1.5	(40)

Atmospheric Service, Steel:

*AWWA D102: Outside Coating System No. 6 minimum AWWA	6.0	(150)
1 ct. Corothane I GalvaPac 1K Zinc Primer	2.0	(50)
1 ct. SherPlate 600	2.0	(50)
1 ct. Acrolon 218HS	2.0	(50)

Atmospheric Service, Steel:

1 ct. Corothane I GalvaPac 1K Zinc Primer	3.0-4.0	(75-100)
1 ct. Sher-Loxane 800	4.0-6.0	(100-150)

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

DISCLAIMER

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

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
Atmospheric: SSPC-SP6, 2 mil (50 micron) profile preferred

Immersion, with recommended topcoat:
SSPC-SP10/NACE 2, 2 mil profile

Ductile Iron Pipe:

Atmospheric: NAPF 500-03-03 Power Tool Cleaning
Buried & Immersion: NAPF 500-03-04 Abrasive Blast Cleaning
Cast Ductile Iron Fittings: NAPF 500-03-05 Abrasive Blast Cleaning

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	Pitted & Rusted D St 3	D St 3	SP 3	-

TINTING

Do not tint.

APPLICATION CONDITIONS

Temperature:
air and surface 20°F (-7°C) minimum, 120°F (49°C) maximum
material: 45°F (7°C) minimum

Do not apply over surface ice

Relative humidity: 30% minimum, 99% maximum

Refer to product Application Bulletin for detailed application information.

ORDERING INFORMATION

Packaging: 3 gallon (11.3L) container

Weight: 28.5 ± 0.2 lb/gal ; 3.42 Kg/L

SAFETY PRECAUTIONS

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.

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
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COROTHANE® I GALVAPAC 1K ZINC PRIMER

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Revised: July 31, 2024

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, Immersion Service:

Remove all oil and grease from surface by Solvent Cleaning per SSPC-SP1. Minimum surface preparation is 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). Remove all weld spatter and round all sharp edges by grinding. Prime any bare steel the same day as it is cleaned or before flash rusting occurs.

Iron & Steel, Atmospheric Service:

Remove all oil and grease from surface by Solvent Cleaning per SSPC-SP1. Minimum surface preparation is Commercial Blast Cleaning per SSPC-SP6. 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.

Ductile Iron Pipe, Atmospheric Service:

Minimum surface preparation is Power Tool Clean per NAPF 500-03-03. Remove all oil and grease from surface by Solvent Cleaning per NAPF 500-03-01.

Ductile Iron Pipe, Buried and Immersion Service:

Minimum surface preparation is Abrasive Blast Cleaning per NAPF 500-03-04. Ductile iron pipe external surfaces, in some cases, can be damaged by excessive abrasive blast cleaning beyond this standard. Remove all oil and grease from surface by Solvent Cleaning per NAPF 500-03-01.

Ductile Iron Fittings:

Minimum surface preparation is Abrasive Blast Cleaning of Cast Ductile Iron Fittings per NAPF 500-03-05. Remove all oil and grease from surface by Solvent Cleaning per NAPF 500-03-01.

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:
air and surface 20°F (-7°C) minimum, 120°F (49°C) maximum
material: 45°F (7°C) minimum

Do not apply over surface ice

Relative humidity: 30% minimum, 99% 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* Reducer No. 15 (R7K15), Polane Retarder (R7K216), or Reducer No. 111 (R7K111)

Clean Up** VOC Restricted areas (≤25 g/L, or ≤3%): Acetone or MEK

*Reducer No. 111 (R7K111) and Polane Retarder (R7K216) cannot be used for NSF applications. Reducer No. 111 (R7K111) can be used for VOC exempt applications. Reducer No. 15 (R7K15) is potable water approved up to 10% by volume.

**Other VOC areas (>25 g/L, or >3%): use Acetone, MEK, R7K15, R7K216 or R7K111. Choose a solvent that is compliant in your area. Confirm compliance with state and local air quality rules before use.

Airless Spray

Pump.....30:1
Pressure.....2500 - 3000 psi
Hose.....1/4" ID
Tip017" - .019"
Filter 60 mesh
Reduction.....see footnote below***

Conventional Spray

Unit.....	Graco	Binks
Gun	900	95
Fluid Nozzle	070	66/65
Air Nozzle.....	947	66PR
Atomization Pressure.....	60-70 psi	60-70 psi
Fluid Pressure.....	15-20 psi	15-20 psi
Reduction.....	see footnote below***	

Brush

Brush.....Natural bristle
Reduction.....see footnote below***

Roller

Cover3/8" natural or synthetic with solvent resistant core
Reduction.....see footnote below***

***As needed up to 10% by volume with R7K215 or R7K111, and up to 9% by volume with R7K216

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



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APPLICATION BULLETIN

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APPLICATION PROCEDURES

Surface preparation must be completed as indicated.

Mix material thoroughly prior to use with a low speed power agitator until completely uniform. After mixing, pour through a 30-60 mesh filter.

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

Recommended Spreading Rate per coat:

	Standard		AWWA	
	Min.	Max.	Min.	Max.
Wet mils (microns)	4.5 112	6.8 170	3.0 75	6.0 150
Dry mils (microns)	3.0 75	4.0 100	2.0 50	4.0* 100*
~Coverage sq ft/gal (m ² /L)	268 6.5	358 8.8	268 6.5	536 13.1
Theoretical coverage sq ft/gal (m ² /L) @ 1 mil/25 micron dft	1072 (26.2)			

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

*See Recommended Systems on reverse side

Drying Schedule @ 5.0 mils wet (125 microns):

@ 40°F/4.5°C @ 77°F/25°C @ 100°F/38°C
50% RH

To touch: 45 minutes 20 minutes 10 minutes

To recoat:

minimum, atmospheric:	8 hours	4-6 hours	1 hour
minimum, immersion:	24 hours	12 hours	10 hours
maximum:	12 months	12 months	12 months

To cure:

atmospheric:	5 days	3 days	1 day
immersion:	14 days	7 days	5 days

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

For potable water service, consult www.nsf.org for details on recoat and dry times at indicated temperature. Sterilize and rinse per AWWA C652.

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 Acetone, MEK, Reducer No. 15 (R7K15), Reducer No. 111 (R7K111), or Polane Retarder (R7K216). Clean tools immediately after use with Acetone, MEK, Reducer No. 15 (R7K15), Reducer No. 111 (R7K111), or Polane Retarder (R7K216). 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.

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.

In order to avoid blockage of spray equipment, clean equipment before use or before periods of extended downtime with Acetone, MEK, Reducer No. 15 (R7K15), Reducer No. 111 (R7K111), or Polane Retarder (R7K216).

Pour a small amount of Reducer No. 15 (R7K15), Reducer No. 111 (R7K111), or Polane Retarder (R7K216) over the top of the paint in the can to prevent skinning or gelling.

Place a temporary cover over the pail to keep excessive moisture, condensation, fog, or rain from contaminating the coating.

It is recommended that partially used cans not be sealed/closed for use at a later date.

An intermediate coat is recommended to provide a uniform appearance of the topcoat.

Not for use with cathodic protection except as indicated under the recommended systems.

Corothane I KA Accelerator is acceptable for use (except NSF applications). See data page 5.98 for details.

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

SAFETY PRECAUTIONS

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.

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



NSF/ANSI/CAN 61
Meets Health Effects Requirements of
NSF/ANSI/CAN 600

SHERPLATE 600

PART A B58-680 **SERIES**
PART B B58V680 **STANDARD HARDENER**
PART B B58V681 **LOW TEMP HARDENER**

Revised: February 21, 2025

PRODUCT INFORMATION

TRM.120

PRODUCT DESCRIPTION

SHERPLATE 600 is an innovative, potable water epoxy lining certified through UL in accordance with NSF/ANSI/Can Std.61 and the extractions requirements of NSF/ANSI/CAN 600 for potable water tanks greater than 50 gallons and Pipe ID greater than or equal to 12 inches.

- 90% volume solids phenalkamide epoxy increases efficiencies in shop applications and on job sites
- Formulated with highest performing edge protection per MIL-PRF-23236
- PFAS, HAPs, and silica free formulation offers industry leading environmental sustainability for the life of the coating system

PRODUCT CHARACTERISTICS

Finish: Gloss
Color: White, Red, Beige, and Blue
Volume Solids: 89% ± 2%, mixed
VOC (EPA Method 24): <100 g/L; 0.8 lbs/gal, mixed
Mix Ratio: 4A:1B, by volume

Recommended Spreading Rate per coat:

	Minimum	Maximum
Wet mils (microns)	4.0 (100)	20.0 (500)
Dry mils (microns)	3.0 (75)	18.0 (450)
~Coverage sq ft/gal (m²/L)	80 (2.0)	476 (11.7)
Theoretical coverage sq ft/gal (m²/L) @ 1 mil / 25 microns dft	1428 (35)	

Drying Schedule @ 8.0 mils wet (200 microns):

with B58V680:	@ 50°F/10°C	@ 77°F/25°C	@ 100°F/38°C
	50% RH	50% RH	50% RH
To touch:	4 hours	3 hours	2 hours
To handle:	14 hours	9 hours	3 hours
To recoat:			
minimum:	12 hours	4 hours	2 hours
maximum:	30 days	30 days	30 days
To cure:	7 days	7 days	5 days

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

Pot Life: 2-3 hours 65-85 minutes 20-25 minutes
Sweat-in-Time: None required

with B58V681:	@ 35°F/1.7°C	@ 50°F/10°C	@ 77°F/25°C
	50% RH	50% RH	50% RH
To touch:	6 hours	3 hours	2 hours
To handle:	12.5 hours	9 hours	7 hours
To recoat:			
minimum:	12 hours	8 hours	4 hours
maximum:	30 days	30 days	30 days
To cure:	10 days	7 days	5 days

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

Pot Life: n/a 60-80 minutes 30-45 minutes
Sweat-in-Time: None required

PRODUCT CHARACTERISTICS (CONT'D)

Shelf Life: Part A: 3 years, unopened
Part B: 2 years, unopened
Store indoors at 40°F (4.5°C) to 110°F (43°C).

Flash Point: 118°F (48°C), PMCC or SETA

Reducer*: VOC Restricted Areas (≤100 g/L): use R6K9 (Acetone) up to 5% by volume

Clean Up: MEK or Acetone

*Other areas (>100 g/L): use R6K9 (Acetone) or R6K116 (Butyl Acetate). Choose a reducer that is compliant in your area. Confirm compliance with state and local air quality rules before use.

RECOMMENDED USES

Potable Water Storage Tank and Vessel Lining:

- AWWA D102 Inside Coating System #1, #2, #5, #6
- Tank size greater than 50 gallons
- Minimum two coats, Maximum 24 mils (600 microns) dft

Potable Water Storage Tank and Vessel Ext. Coating:

- AWWA D102 Outside Coating System #5 & #6

Steel or Ductile Iron Buried or Above Grade Pipe Lining:

- AWWA C210-18

Sherplate 600 is suitable for concrete, masonry, steel, ductile iron, and previously coated surfaces. Buried, exposed to view, or in immersion service.

PERFORMANCE CHARACTERISTICS

Substrate*: Steel

Surface Preparation*: SSPC-SP6/NACE 3

Test Name	Test Method	Results
Abrasion Resistance³	ASTM D4060, 1000 cycles	154 mg loss
Adhesion	ASTM D4541	3000+ psi ³ 2400+ psi ⁴
Cathodic Disbondment³	ASTM G8 @ 77°F/25°C	7 mm
Direct Impact Resistance³	ASTM D2794	>34 in/lbs
Dry Heat Resistance³	ASTM D2485	250°F (121°C)
Edge Retention	MIL-PRF-23236C, Appendix A	Pass: >70%
Flexibility³	ASTM D522, 180° bend, 3/8" mandrel	Pass
Salt Fog Resistance	ASTM B117	1,500 hours 10/10/7 ³
		1,000 hours 10/10/9 ⁴

³System tested (Report No. PMDEV2018-4152):
1 ct. Sherplate 600 @ 5.0-10.0 mils (125-250 microns) dft
1 ct. Sherplate 600 @ 5.0-10.0 mils (125-250 microns) dft

⁴System tested (Report No. PMDEV2018-4152):
1 ct. Sherplate 600 @ 5.0-10.0 mils (125-250 microns) dft
1 ct. Sher-Loxane 800 @ 4.0-6.0 mils (100-150 microns) dft



Protective & Marine Coatings



NSF/ANSI/CAN 61
Meets Health Effects Requirements of
NSF/ANSI/CAN 600

SHERPLATE 600

PART A B58-680 **SERIES**
PART B B58V680 **STANDARD HARDENER**
PART B B58V681 **LOW TEMP HARDENER**

Revised: February 21, 2025

PRODUCT INFORMATION

TRM.120

RECOMMENDED SYSTEMS

	Dry Film Thickness / ct.	
	Mils	(Microns)
Immersion, Steel:		
*AWWA D102: Inside Coating System No. 1		
1 ct. Sherplate 600	3.0	(75)
1 ct. Sherplate 600	5.0	(125)
*AWWA D102: Inside Coating System No. 2		
1 ct. Sherplate 600	3.0	(75)
1 ct. Sherplate 600	4.0	(100)
1 ct. Sherplate 600	5.0	(125)
*AWWA D102: Inside Coating System No. 5		
1 ct. Corothane I Galvapac	2.5	(63)
2 cts. Sherplate 600	4.0	(100)
*AWWA D102: Inside Coating System No. 6		
1 ct. Corothane I Galvapac	2.5	(63)
1 ct. Sherplate 600	10.0-18.0	(250-450)
Atmospheric, Steel:		
*AWWA D102: Outside Coating System No. 5		
1 ct. Sherplate 600	2.5	(63)
1 ct. Sherplate 600	2.0	(50)
1 ct. Acrolon 218 HS	2.0	(50)
*AWWA D102: Outside Coating System No. 6		
1 ct. Corothane I GalvaPac	2.5	(63)
1 ct. Sherplate 600	2.0	(50)
1 ct. Acrolon 218 HS	2.0	(50)
Concrete/Masonry, smooth:		
2 cts. Sherplate 600	6.0-9.0	(150-225)

*Refer to UL.com for dft restrictions

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

SAFETY PRECAUTIONS

Refer to the SDS sheet before use.

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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:
Atmospheric: SSPC-SP2/3/ ISO8501-1:2007 St2, 2-3 mil (50-75 micron) profile
Immersion: SSPC-SP10/NACE 2/ ISO8501-1:2007 St2.5, 2-3 mil (50-75 micron) profile

Aluminum/Galvanizing: Atmospheric/Immersion: SSPC-SP16

Concrete & Masonry: Atmospheric/Immersion: SSPC-SP13/NACE 6, or ICRI No. 310.2R CSP 2-4

Ductile Iron Pipe: Buried and Immersion Service, Fittings: See Surface Preparations on Page 3

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	-
Pitted & Rusted	D St 3	D St 3	SP 3	-

TINTING

Do not tint.

APPLICATION CONDITIONS

Temperature:

Air & Surface*: 35°F (1.7°C) minimum, 120°F (49°C) maximum

Material:** 40°F (4.5°C) minimum, 120°F (49°C) maximum

*Standard hardener can be applied between 50°F (10°C) and 120°F (49°C). Low temperature hardener can be applied between 35°F (1.7°C) and 80°F (27°C).

**When using standard hardener, optimal material temperature is 75°F-85°F (24°C-29°C). When using low temp hardener, optimal material temperature is 70°F-80°F (21°C-27°C). Material is best applied when material temperature is below 85°F (29°C). Avoid staging or storing material in direct sunlight before or during application. Avoid material temperatures above 85°F (29°C).

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 A: ~3.8 gallon (14.4L) filled pails
 Part B: ~0.95 gallon (3.6L) filled cans

Weight:

12.00 ± 0.3 lb/gal ; 1.4 Kg/L, mixed may vary by color

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



NSF/ANSI/CAN 61
Meets Health Effects Requirements of
NSF/ANSI/CAN 600

SHERPLATE 600

PART A B58-680 **SERIES**
PART B B58V680 **STANDARD HARDENER**
PART B B58V681 **LOW TEMP HARDENER**

Revised: February 21, 2025

APPLICATION BULLETIN

TRM.120

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 (atmospheric service)

Minimum surface preparation is Commercial Blast Cleaning per SSPC-SP6/NACE 3 or SSPC-SP12/NACE No. 5. For surfaces prepared by SSPC SP6/NACE 3, first remove all oil and grease from surface by Solvent Cleaning per SSPC-SP1. 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 (2-3 mils / 50-75 microns). For surfaces prepared by SSPC-SP12/NACE No. 5, all surfaces shall be cleaned in accordance with WJ-3/SC2. Pre-existing profile should be approximately 2 mils (50 microns). Prime any bare steel the same day as it is cleaned or before flash rusting occurs.

Iron & Steel (immersion service)

Remove all oil and grease from surface by Solvent Cleaning per SSPC-SP1. Minimum surface preparation is Near White Metal Blast Cleaning per SSPC-SP10/NACE 2, or SSPC-SP12/NACE No. 5. For SSPC-SP10/NACE 2, blast clean all surfaces using a sharp, angular abrasive for optimum surface profile (2-3 mils / 50-75 microns). For SSPC-SP12/NACE No.5, all surfaces to be coated shall be cleaned in accordance with WJ-2/SC2 standards. Pre-existing profile should be approximately 2 mils (50 microns). Remove all weld spatter. 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. Prepare surfaces per SSPC-SP16.

Galvanized Steel

Allow to weather a minimum of six months prior to coating. Solvent Clean per SSPC-SP1. When weathering is not possible, or the surface has been treated with chromates or silicates, first Solvent Clean per SSPC-SP1 and apply a test patch. Allow paint to dry at least one week before testing adhesion. If adhesion is poor, brush blasting per SSPC-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 or before flash rusting occurs.

Concrete and Masonry

For surface preparation, refer to SSPC-SP13/NACE 6, or ICRI No. 310.2R, CSP 2-4. 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. For surface preparation of Concrete, Immersion Service, refer to SSPC-SP13/NACE 6, Section 4.3.1 or 1.3.2 or ICRI No. 310.2R, CSP 2-3.

Ductile Iron Pipe (DIP) listed per NAF 500.03

Ductile Iron Pipe, Atmospheric Service

Minimum surface preparation is Power Tool NAF 500-03-03. Remove all oil and grease from surface by Solvent Cleaning per NAF 500-03-01.

Ductile Iron Pipe, Buried and Immersion Service

Minimum surface preparation is Abrasive Blast Cleaning per NAF 500-03-04. Ductile iron pipe external surfaces, in some cases, can be damaged by excessive abrasive blast cleaning beyond this standard. Remove all oil and grease from surface by Solvent Cleaning per NAF 500-03-01.

Ductile Iron Fittings

Minimum surface preparation is Abrasive Blast Cleaning of Cast Ductile Iron Fittings per NAF 500-03-05. Remove all oil and grease from surface by Solvent Cleaning per NAF 500-03-01.

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 5	4
Hand Tool Cleaning	C St 2	C St 2	SP 3	-
Pitted & Rusted	D St 2	D St 2	SP 3	-
Rusted	C St 3	C St 3	SP 3	-
Power Tool Cleaning	D St 3	D St 3	SP 3	-

APPLICATION CONDITIONS

Temperature:

Air & Surface*: 35°F (1.7°C) minimum, 120°F (49°C) maximum

Material**: 40°F (4.5°C) minimum, 120°F (49°C) maximum

*Standard hardener can be applied between 50°F (10°C) and 120°F (49°C). Low temperature hardener can be applied between 35°F (1.7°C) and 80°F (27°C).

**When using standard hardener, optimal material temperature is 75°F-85°F (24°C-29°C). When using low temp hardener, optimal material temperature is 70°F-80°F (21°C-27°C). Material is best applied when material temperature is below 85°F (29°C). Avoid staging or storing material in direct sunlight before or during application. Avoid material temperatures above 85°F (29°C).

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* VOC Restricted Areas (≤100 g/L): use R6K9 (Acetone) up to 5% by volume
Clean Up MEK or Acetone

*Other areas (>100 g/L): use R6K9 (Acetone) or R6K116 (Butyl Acetate). Choose a reducer that is compliant in your area. Confirm compliance with state and local air quality rules before use.

Airless Spray:

Pump 60:1
 Hose 3/8" with 1/4" whip
 Pressure Optimal spray pressure is 3,500-4,500 psi
 Tip 0.017"-0.023"
 Filter 250 micron
 Reduction up to 5% by volume if necessary

Brush

Brush China Bristle
 Reduction up to 5% by volume if necessary

Roller

Cover 3/8" woven with solvent resistant core
 Reduction up to 5% by volume if necessary

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



Protective & Marine Coatings



NSF/ANSI/CAN 61
Meets Health Effects Requirements of
NSF/ANSI/CAN 600

SHERPLATE 600

PART A B58-680 **SERIES**
PART B B58V680 **STANDARD HARDENER**
PART B B58V681 **LOW TEMP HARDENER**

Revised: February 21, 2025

APPLICATION BULLETIN

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APPLICATION PROCEDURES

Surface preparation must be completed as indicated.

Mixing Instructions: Mix contents of each component thoroughly using low speed power agitation. Make certain no pigment remains on the bottom or the sides of the can. Then combine four parts by volume of Part A with one part by volume of Part B. Thoroughly agitate the mixture with power agitation.

To ensure that no unmixed material remains on the sides or bottom of the cans after mixing, visually observe the container by pouring the material into a separate container.

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

Recommended Spreading Rate per coat:

	Minimum	Maximum
Wet mils (microns)	4.0 (100)	20.0 (500)
Dry mils (microns)	3.0 (75)	18.0 (450)
~Coverage sq ft/gal (m²/L)	80 (2.0)	476 (11.7)
Theoretical coverage sq ft/gal (m²/L) @ 1 mil / 25 microns dft	1428 (35)	

Drying Schedule @ 8.0 mils wet (200 microns):

	@ 50°F/10°C	@ 77°F/25°C	@ 100°F/38°C
<i>with B58V680:</i>			
	50% RH	50% RH	50% RH
To touch:	4 hours	3 hours	2 hours
To handle:	14 hours	9 hours	3 hours
To recoat:			
minimum:	12 hours	4 hours	2 hours
maximum:	30 days	30 days	30 days
To cure:	7 days	7 days	5 days

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

Pot Life:	2-3 hours	65-85 minutes	20-25 minutes
Sweat-in-Time:	None required		

	@ 35°F/1.7°C	@ 50°F/10°C	@ 77°F/25°C
<i>with B58V681:</i>			
	50% RH	50% RH	50% RH
To touch:	6 hours	3 hours	2 hours
To handle:	12.5 hours	9 hours	7 hours
To recoat:			
minimum:	12 hours	8 hours	4 hours
maximum:	30 days	30 days	30 days
To cure:	10 days	7 days	5 days

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

Pot Life:	n/a	60-80 minutes	30-45 minutes
Sweat-in-Time:	None required		

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

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.

Do not apply the material beyond recommended pot life.

In order to avoid blockage of spray equipment, clean equipment before use or before periods of extended downtime with MEK.

Avoid excessive triggering of the airless spray gun.

Maintain a 20-24" distance between the airless spray gun and substrate at a 90° angle.

Excessive heat will reduce the pot life of Sherplate 600 and could affect application characteristics.

Can be used for stripe coat under SherPlate PW or Dura-Plate UHS.

Epoxy coatings may darken or yellow following application and curing.

Proper Tip, hose and pump configuration is important to overall application characteristics. Pressure will drop between the pump and the gun depending on tip size, hose length, number of guns, and hose size. Recommended pressures should be measured at tip or as close to the tip as safely possible.

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

CLEAN UP INSTRUCTIONS

Clean spills and spatters immediately with MEK or Acetone. Clean tools immediately after use with MEK or Acetone. Follow manufacturer's safety recommendations when using any solvent.

SAFETY PRECAUTIONS

Refer to the SDS sheet before use.

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WARRANTY

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**Protective
&
Marine
Coatings**



**SHERPLATE PW EPOXY
WITH OPTI-CHECK OAP TECHNOLOGY**

PART A	B62W260	WHITE
PART A	B62L260	BLUE
PART B	B62V260	HARDENER
PART B	B62V265	OAP HARDENER

Revised: August 11, 2025

PRODUCT INFORMATION

4.82

PRODUCT DESCRIPTION

SHERPLATE PW EPOXY is an edge retentive, ultra high solids epoxy amine coating engineered for immersion service in potable water pipes and storage tanks. The rapid return to service and high build, edge retentive properties of this coating provide superior protection.

- One or two coat protection
- Fast return to service
- Low odor
- Dry to walk-on within four hours
- Designed for plural-component application equipment
- Edge retention of greater than 70% can be obtained utilizing B62V260 hardener only
- Potable water epoxy lining certified through NSF in accordance with NSF/ANSI/Can Std.61 and the extractions requirements of NSF/ANSI/CAN 600 for potable water tanks greater than 100 gallons and Pipe ID greater than or equal to 6 inches

PRODUCT CHARACTERISTICS

Finish:	Gloss
Color:	White-Base and Blue (OAP Hardener can be used with either color)
Volume Solids:	100%, mixed
Weight Solids:	100%, mixed
VOC (EPA method #24):	<85 g/L; 0.71 lb/gal, mixed
Mix Ratio:	1:1 by volume

Recommended Spreading Rate per coat:

	Minimum	Maximum
Tank Lining mils (microns)	16.0 (400)	50.0 (1250)
Pipe Lining mils (microns)	16.0 (400)	50.0 (1250)
~Coverage sq ft/gal (m²/L)	100 (2.5)	32 (0.8)
Theoretical coverage sq ft/gal (m²/L) @ 1 mil / 25 microns dft	1604 (39.4)	

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

Drying Schedule @ 20.0-50.0 mils wet (500-1250 microns):

	@ 40°F/4.5°C	@ 77°F/25°C	@ 100°F/38°C
		50% RH	
To touch:	6 hours	1 hour	35 minutes
To handle:	8-12 hours	3 hours	55 minutes
To recoat:			
minimum:	6 hours	1 hour	35 minutes
maximum*:	14 days	14 days	14 days
Foot traffic:	8-12 hours	3 hours	1 hour
To cure:	36 hours	24 hours	12 hours

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

*Elevated Surface Temperature Recoat Parameters, 140°F (60°C): Max. 60 days at between Sherplate 600 and Sherplate PW as topcoat.

Pot Life:	7 minutes
Sweat-in-Time:	None required

Shelf Life:	24 months Store indoors at 40°F (4.5°C) to 100°F (38°C).
Flash Point:	230°F (110°C), PMCC, mixed
Reducer:	Not recommended
Clean Up:	MEK (R6K10) or Reducer R7K104

RECOMMENDED USES

For use over prepared steel or masonry surfaces for water including potable water.

- Where rapid return to service and edge protection film build properties are required
- Part B Hardener available with OAP (optically active pigment)
- Meets or exceeds the requirements of AWWA C210-15
- Meets or exceeds AWWA D102
- A component of INFINITANK
- Suitable for use in the Mining & Minerals Industry
- Meets MIL-PRF-23236, Type VII, Class 9/18 requirements for single coat application in potable water tanks
- Refer to www.nsf.org website for allowable tank size listing

PERFORMANCE CHARACTERISTICS

System Tested:

1 ct. SherPlate PW Epoxy @ 30.0 mils (750 microns) dft

Test Name	Test Method	Results
Abrasion Resistance	ASTM D4060	22.4 mg loss
Adhesion	ASTM D4541	>2,000 psi
Cathodic Disbondment	ASTM G8	Passes AWWA C210-15 requirements ; 7.7 mm (average)
Edge Retention	MIL-PRF-23236C	80%+ (average)
Elongation	ASTM D638	3.3%
Flexibility	ASTM D522	1/2" (24 hour cure)
Flexural Modulus	ASTM D790	2560 psi
Flexural Strength	ASTM D790	7458 psi
Moisture Condensation Resistance	ASTM D4585, 2000 hours	Passes
Pencil Hardness	ASTM D3363	3H
Shore D Hardness	ASTM D2240	83
Water Vapor Permeance	ASTM D1653, Method B, Condition C	0.0119 ± 0.0004 grains/(hr ft ² in Hg)

Immersion (ambient temperature) for the following:

- Deionized Water*.....No effect
- Fresh Water..... Recommended
- Potable Water..... Recommended
- Salt Water..... Recommended
- Sulfuric Acid @ 1% by wt.*..... No effect
- Sodium Hydroxide @ 1% by wt.*.....No effect
- 1% Solution of Sodium Hypochlorite.....Recommended
- AWWA C210-15 Chemical Solutions.....Recommended

*30 days @ ambient (passes AWWA C210-15)

Epoxy coatings may darken or yellow after application and curing.



Protective & Marine Coatings



Certified to
NSF/ANSI/CAN 61
Meets Health Effects Requirements of
NSF/ANSI/CAN 600

SHERPLATE PW EPOXY WITH OPTI-CHECK OAP TECHNOLOGY

PART A	B62W260	WHITE
PART A	B62L260	BLUE
PART B	B62V260	HARDENER
PART B	B62V265	OAP HARDENER

Revised: August 11, 2025

PRODUCT INFORMATION

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RECOMMENDED SYSTEMS

		Dry Film Thickness / ct. Mils	(Microns)
Steel, Immersion (AWWA C210-15):			
1-2 cts.	SherPlate PW Epoxy	16.0-50.0	(400-1250)
Steel, Immersion (AWWA D102):			
1 ct.	Optional Primer	*	
1-2 cts.	SherPlate PW Epoxy	20.0-50.0	(500-1250)
Steel, Immersion/Vapor Space (AWWA D102):			
1 ct.	Corothane I GalvaPac (optional)	2.5-4.0	(63-100)
1 ct.	SherPlate PW Epoxy	12.0-20.0	(300-500)
Concrete, Immersion:			
1 ct.	Primer	**	
1-2 cts.	SherPlate PW Epoxy	20.0-50.0	(500-1250)
Steel, Atmospheric:			
1-2 cts.	SherPlate PW Epoxy	20.0-50.0	(500-1250)

*Acceptable Primers for Steel:

Macropoxy 5500LT Primer
Corothane I Gavapac 1K Zinc Primer
Corothane I Galvapac 2K Zinc Primer
Dura-Plate UHS Primer
Zinc Clad PCP Ultra
Sherplate 600

**Acceptable Primers for Concrete:

Macropoxy 240
Corobond 100
Corobond HS
Dura-Plate 235
Dura-Plate UHS Primer
Sherplate 600

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

SAFETY PRECAUTIONS

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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:	
Atmospheric:	SSPC-SP6/NACE 3, 2 mil (50 micron) sharp and angular profile [Medium (G) (ISO 8503-2)] or SSPC-SP12/NACE No. 5, WJ-3/SC-2
Immersion:	SSPC-SP10/NACE 2, 2-3 mil (50-75 micron) sharp and angular profile [Medium (G) (ISO 8503-2)] or SSPC-SP12/NACE No. 5, WJ-2/SC-2
Concrete & Masonry:	
Atmospheric:	SSPC-SP13/NACE 6, or ICRI 310.2R CSP2-4
Immersion:	SSPC-SP13/NACE 6-4.3.1 or 4.3.2, or ICRI 310.2R CSP2-4

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	-

TINTING

Do not tint.

APPLICATION CONDITIONS

Temperature:
air and surface: 40°F (4.5°C) minimum, 110°F (43°C) maximum

For application at 35°F (1.7°C) to 40°F (4.5°C), specific guidelines are required:

- Air & Surface temperature conditions must be expected to remain stable or improve for a period of four hours
- Environmental controls (dehumidification, heating, forced-air ventilation) are recommended to maintain acceptable application conditions

Relative humidity: 85% maximum

Refer to product Application Bulletin for detailed application information.

ORDERING INFORMATION

Packaging

Part A: 5 gallon (18.9L) pails and 50 gallon (189L) drums*
Part B: 5 gallon (18.9L) pails and 50 gallon (189L) drums*

*White (Part A) and Standard Hardener (Part B) only

Cartridge: 300 x 300 mL and 750 x 750 mL

Weight: 11.71 ± 0.3 lb/gal ; 1.4 Kg/L, mixed

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**



Certified to
NSF/ANSI/CAN 61
Meets Health Effects Requirements of
NSF/ANSI/CAN 600

**SHERPLATE PW EPOXY
WITH OPTI-CHECK OAP TECHNOLOGY**

PART A	B62W260	WHITE
PART A	B62L260	BLUE
PART B	B62V260	HARDENER
PART B	B62V265	OAP HARDENER

Revised: August 11, 2025

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 (atmospheric service)

Minimum surface preparation is Commercial Blast Cleaning per SSPC-SP6/NACE 3 or SSPC-SP12/NACE No. 5. For surfaces prepared by SSPC SP6/NACE 3, first remove all oil and grease from surface by Solvent Cleaning per SSPC-SP1. 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 (2-3 mils / 50-75 microns). For surfaces prepared by SSPC-SP12/NACE No. 5, all surfaces shall be cleaned in accordance with WJ-3/SC2. Pre-existing profile should be approximately 2 mils (50 microns). Prime any bare steel the same day as it is cleaned or before flash rusting occurs.

Iron & Steel (immersion service)

Remove all oil and grease from surface by Solvent Cleaning per SSPC-SP1. Minimum surface preparation is Near White Metal Blast Cleaning per SSPC-SP10/NACE 2, or SSPC-SP12/NACE No. 5. For SSPC-SP10/NACE 2, blast clean all surfaces using a sharp, angular abrasive for optimum surface profile (2-3 mils / 50-75 microns). For SSPC-SP12/NACE No.5, all surfaces to be coated shall be cleaned in accordance with WJ-2/SC2 standards. Pre-existing profile should be approximately 2 mils (50 microns). Remove all weld spatter. Prime any bare steel the same day as it is cleaned or before flash rusting occurs.

Concrete and Masonry

For surface preparation, refer to SSPC-SP13/NACE 6, or ICRI No. 310.2R, CSP 2-3. 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. For surface preparation of Concrete, Immersion Service, refer to SSPC-SP13/NACE 6, Section 4.3.1 or 1.3.2 or ICRI No. 310.2R, CSP 2-3.

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 2	4
Hand Tool Cleaning	Ct St 2	Ct St 2	SP 2	-
Pitted & Rusted	Dt St 2	Dt St 2	SP 2	-
Rusted	Ct St 3	Ct St 3	SP 3	-
Power Tool Cleaning	Dt St 3	Dt St 3	SP 3	-

APPLICATION CONDITIONS

Temperature:
air and surface: 40°F (4.5°C) minimum, 110°F (43°C) maximum

For application at 35°F (1.7°C) to 40°F (4.5°C), specific guidelines are required:

- Air & Surface temperature conditions must be expected to remain stable or improve for a period of four hours
- Environmental controls (dehumidification, heating, forced-air ventilation) are recommended to maintain acceptable application conditions

The material should be 85°F-130°F / 29°C-54°C (vary as needed) at the mixing block for optimal atomization based on tip size and pump pressure..Do not heat above 140°F (60°C).

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.

Reduction Not recommended
Clean Up MEK (R6K10) or R7K104

Plural Component Equipment:

Pump WIWA DUOMIX 1:1, Graco Extreme Mix, or Graco XP70
Pressure 4000 psi
Hose 3/8" ID
Tip021" - .025"
Pump heater setting 110°F-130°F (43°C-54°C)*
Material temperature
at gun tip 110°F-130°F (43°C-54°C), vary as needed

Brush For stripe coating and repair only
Brush Nylon/Polyester or Natural Bristle

Roller For stripe coating and repair only
Cover 3/8" woven with solvent resistant core

*Material should be preheated to 110°F (43°C) prior to spraying.

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



Protective & Marine Coatings



Certified to NSF/ANSI/CAN 61 Meets Health Effects Requirements of NSF/ANSI/CAN 600

SHERPLATE PW EPOXY WITH OPTI-CHECK OAP TECHNOLOGY

PART A	B62W260	WHITE
PART A	B62L260	BLUE
PART B	B62V260	HARDENER
PART B	B62V265	OAP HARDENER

Revised: August 11, 2025

APPLICATION BULLETIN

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APPLICATION PROCEDURES

Surface preparation must be completed as indicated.

Mixing Instructions: Mix contents of each component thoroughly using low speed power agitation. Make certain no pigment remains on the bottom or the sides 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.

To ensure that no unmixed material remains on the sides or bottom of the cans after mixing, visually observe the container by pouring the material into a separate container.

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

Recommended Spreading Rate per coat:

	Minimum	Maximum
Tank Lining mils (microns)	16.0 (400)	50.0 (1250)
Pipe Lining mils (microns)	16.0 (400)	50.0 (1250)
~Coverage sq ft/gal (m²/L)	100 (2.5)	32 (0.8)
Theoretical coverage sq ft/gal (m²/L) @ 1 mil / 25 microns dft	1604 (39.4)	

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

Drying Schedule @ 20.0-50.0 mils wet (500-1250 microns):

	@ 40°F/4.5°C	@ 77°F/25°C	@ 100°F/38°C
		50% RH	
To touch:	6 hours	1 hour	35 minutes
To handle:	8-12 hours	3 hours	55 minutes
To recoat:			
minimum:	6 hours	1 hour	35 minutes
maximum*:	14 days	14 days	14 days
Foot traffic:	8-12 hours	3 hours	1 hour
To cure:	36 hours	24 hours	12 hours

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

*Elevated Surface Temperature Recoat Parameters, 140°F (60°C): Max. 60 days at between Sherplate 600 and Sherplate PW as topcoat.

Pot Life:	7 minutes
Sweat-in-Time:	None required

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 MEK, R6K10. Clean tools immediately after use with MEK, R6K10. Follow manufacturer's safety recommendations when using any solvent.

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PERFORMANCE TIPS

When using spray application, use a 50% overlap with each pass of the gun to avoid holidays, bare areas, and pinholes. If necessary, cross-coat 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.

No reduction of material is recommended as this can affect film build, appearance, and adhesion.

Stripe coat all crevices, welds, and sharp angles to prevent early failure in these areas.

Do not mix previously catalyzed material with new.

Do not apply the material beyond recommended pot life.

Remove and solvent clean tip housing every 20-30 minutes.

For Immersion Service: (if required) Holiday test in accordance with NACE SP0188.

OAP fluorescent pigment can be used as a one or two coat system. When using OAP in a two coat system, use OAP hardener in first coat.

Sterilize and rinse per AWWA C652.

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

SAFETY PRECAUTIONS

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.

WARRANTY

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