



Protective & Marine Coatings

FAST-CLAD® BRUSH GRADE EPOXY WITH OPTI-CHECK OAP TECHNOLOGY

PART A
PART A
PART B

B62W240
B62L242
B62V240

WHITE
OAP BLUE
HARDENER

Revised: November 16, 2021

PRODUCT INFORMATION

9.51

PRODUCT DESCRIPTION

FAST-CLAD BRUSH GRADE EPOXY is a high solids epoxy amine coating that is engineered specifically as a brushable repair coating for Fast-Clad ER Epoxy in sea water and fuel ballast tanks. The rapid return to service and high build of Fast-Clad Brush Grade Epoxy provides superior protection compared to conventional epoxies.

- Fast return to service
- Extended pot life
- Easy mixing

PRODUCT CHARACTERISTICS

Finish:	Gloss
Color:	White and OAP Blue
Volume Solids:	83%, ± 2%, mixed
Weight Solids:	90%, ± 2%, mixed
VOC (EPA method #24):	<150 g/L 1.25 lb/gal mixed (24 hour induction)
Mix Ratio:	1:1 by volume

Recommended Spreading Rate per coat:

	Minimum	Maximum
Wet mils (microns)	10.0 (250)	12.0 (300)
Dry mils (microns)	8.0 (200)	10.0 (250)
~Coverage sq ft/gal (m ² /L)	157 (3.8)	196 (4.8)
Theoretical coverage sq ft/gal (m ² /L) @ 1 mil / 25 microns dft	1328 (32.5)	

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

Drying Schedule @ 10.0 mils wet (250 microns):

@ 77°F/25°C
50% RH

To touch:	3 hours
To handle:	6.5 hours
To recoat:	4 hours
Foot traffic:	6.5 hours
Cure to service:	24 hours

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

Pot Life:	25 minutes (two qt mass)
Sweat-in-Time:	Not required

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

RECOMMENDED USES

For use as a brushable repair coating for Fast-Clad ER Epoxy.

For use in various exposures, including:

- Ballast tank interiors
- Fuel tanks
- Sea water tanks
- Petrochemical tanks
- OAP Blue contains fluorescent pigment
- Approved by the U.S. Navy as a touch-up coating for Fast-Clad ER

PERFORMANCE CHARACTERISTICS

Substrate*: Steel

Surface Preparation*: SSPC-SP10/NACE 2

Surface Coating*: Fast-Clad ER Epoxy

System Tested*:

1 ct. Fast-Clad Brush Grade Epoxy @ 8.0-10.0 mils (200-250 microns) dft
*unless otherwise noted below

Test Name	Test Method	Results
Abrasion Resistance	ASTM D4060, CS17 wheel, 1000 cycles, 1 kg load	12.1 mg loss
Adhesion	ASTM D4541	920 psi
Direct Impact Resistance	ASTM D2794	20 in. lb.
Flexibility	ASTM D522	1/2"
Pencil Hardness	ASTM D3363	H

Immersion (ambient temperature) for the following:

- Ballast tank mix
- Fresh water
- Sea water
- Petrochemicals

Epoxy coatings may darken or yellow after application and curing.



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RECOMMENDED SYSTEMS

Dry Film Thickness / ct.
Mils (Microns)

Steel:

1 ct. Fast-Clad ER	18.0-22.0 (450-550)
1 ct. Fast-Clad Brush Grade Epoxy	8.0-10.0 (200-250)

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

SURFACE PREPARATION

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

Refer to product Application Bulletin for detailed surface preparation information.

Minimum recommended surface preparation:

Iron & Steel:	
Atmospheric:	SSPC-SP6/NACE 3, 2-3 mil (50-75 micron) profile
Immersion:	SSPC-SP10/NACE 2, 2-3 mil (50-75 micron) profile
Small Repair:	SSPC-SP11 or Bristle Blaster, 2-3 mil (50-75 micron) profile

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
Rusted	C St 2	C St 2	SP 2	-
Hand Tool Cleaning 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 Part A.

B62V240 (Part B) can be tinted with either GIC or Maxitoner formulas specific to MIL-Spec qualification available on request.

APPLICATION CONDITIONS

Temperature:	
Air and surface:	40°F (4.5°C) minimum, 110°F (43°C) maximum 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:	1 quart (0.94L) in a gallon (3.78L) container
Part B:	1 quart (0.94L) in a quart (0.94L) container

Weight: 11.09 ± 0.6 lb/gal ; 1.3 Kg/L, mixed

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.

DISCLAIMER

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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)

Remove all oil and grease from surface by Solvent Cleaning per SSPC-SP1. Minimum surface preparation is Commercial Blast Cleaning per SSPC-SP6/NACE3. 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). Remove all weld spatter and round all sharp edges. Prime any bare steel within 8 hours or before flash rusting occurs. SSPC-SP11 or Bristle Blaster (2-3 mils / 50-75 micron profile) is acceptable for small repairs only.

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 (2-3 mils / 50-75 microns). Remove all weld spatter and round all sharp edges. Prime any bare steel within 8 hours or before flash rusting occurs. SSPC-SP11 or Bristle Blaster (2-3 mils / 50-75 micron profile) is acceptable for small repairs only.

APPLICATION CONDITIONS

Temperature:

Air and surface: 40°F (4.5°C) minimum, 110°F (43°C) maximum
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:Not recommended

Clean UpMEK, R6K10 or R7K104

Airless Spray

Unit.....30:1 minimum
Pressure.....3000-3300 psi
Hose.....3/8" ID
Tip0.017"-0.021"
Filter.....60 mesh
Reduction.....Not recommended

BrushFor stripe coating and repair only
Brush.....Nylon/Polyester or Natural Bristle
Reduction.....Not recommended

RollerFor stripe coating and repair only
Cover3/8" woven with solvent resistant core
Reduction.....Not recommended

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

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	Rusted 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	-



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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.

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

Recommended Spreading Rate per coat:

	Minimum	Maximum
Wet mils (microns)	10.0 (250)	12.0 (300)
Dry mils (microns)	8.0 (200)	10.0 (250)
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NOTE: Brush or roll application may require multiple coats to achieve maximum film thickness and uniformity of appearance.

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50% RH

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To handle:	6.5 hours
To recoat:	4 hours
Foot traffic:	6.5 hours
Cure to service:	24 hours
<i>Drying time is temperature, humidity, and film thickness dependent.</i>	
Pot Life:	25 minutes (two qt mass)
Sweat-in-Time:	Not 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 R6K10. Clean tools immediately after use with R6K10. Follow manufacturer's safety recommendations when using any solvent.

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PERFORMANCE TIPS

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

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

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.

Do not mix previously catalyzed material with new.

Do not apply the material beyond recommended pot life.

Material must be at least 50°F (10°C) prior to catalyzing.

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

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