FAST-CLAD® BRUSH GRADE EPOXY
WITH Opti-Check OAP TECHNOLOGY

PART A  B62W240  WHITE
PART A  B62L242  OAP BLUE
PART B  B62V240  HARDENER

PRODUCT INFORMATION

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:

<table>
<thead>
<tr>
<th>Wet mils (microns)</th>
<th>Minimum</th>
<th>Maximum</th>
</tr>
</thead>
<tbody>
<tr>
<td>10.0 (250)</td>
<td>12.0 (300)</td>
<td></td>
</tr>
<tr>
<td>8.0 (200)</td>
<td>10.0 (250)</td>
<td></td>
</tr>
</tbody>
</table>

~Coverage sq ft/gal (m²/L) 157 (3.8) 196 (4.8)
Theoretical coverage sq ft/gal (m²/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):

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

<table>
<thead>
<tr>
<th>Test Name</th>
<th>Test Method</th>
<th>Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>Abrasion Resistance</td>
<td>ASTM D4060, CS17 wheel, 1000 cycles, 1 kg load</td>
<td>12.1 mg loss</td>
</tr>
<tr>
<td>Adhesion</td>
<td>ASTM D4541</td>
<td>920 psi</td>
</tr>
<tr>
<td>Direct Impact Resistance</td>
<td>ASTM D2794</td>
<td>20 in. lb.</td>
</tr>
<tr>
<td>Flexibility</td>
<td>ASTM D522</td>
<td>1/2&quot;</td>
</tr>
<tr>
<td>Pencil Hardness</td>
<td>ASTM D3363</td>
<td>H</td>
</tr>
</tbody>
</table>

Immersion (ambient temperature) for the following:
- Ballast tank mix
- Fresh water
- Sea water
- Petrochemicals

Epoxy coatings may darken or yellow after application and curing.
**FAST-CLAD®**
**BRUSH GRADE EPOXY**

**WITH OPTI-CHECK OAP EPOXY**

**PRODUCT INFORMATION**

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### Recommended Systems

<table>
<thead>
<tr>
<th>Material</th>
<th>Dry Film Thickness / ct.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Mils (Mics)</td>
</tr>
<tr>
<td>Steel:</td>
<td></td>
</tr>
<tr>
<td>1 ct. Fast-Clad ER</td>
<td>18.0-22.0 (450-550)</td>
</tr>
<tr>
<td>1 ct. Fast-Clad Brush Grade Epoxy</td>
<td>8.0-10.0 (200-250)</td>
</tr>
</tbody>
</table>

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

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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, 2-3 mil (50-75 micron) profile
  - Immersion: SSPC-SP10/NACE 2, 2-3 mil (50-75 micron) profile

**Surface Preparation Standards**

<table>
<thead>
<tr>
<th>Condition of Surface</th>
<th>ISO 8501-1</th>
<th>BS7709-A1</th>
<th>SIS055900</th>
<th>SSPC</th>
<th>NACE</th>
</tr>
</thead>
<tbody>
<tr>
<td>White Metal</td>
<td>Sa 3</td>
<td>Sa 3</td>
<td>Sa 3</td>
<td>SP 6</td>
<td>5</td>
</tr>
<tr>
<td>Near White Metal</td>
<td>Sa 2.5</td>
<td>Sa 2.5</td>
<td>Sa 2.5</td>
<td>SP 6</td>
<td>2</td>
</tr>
<tr>
<td>Commercial Blast</td>
<td>Sa 2</td>
<td>Sa 2</td>
<td>Sa 2</td>
<td>SP 6</td>
<td>3</td>
</tr>
<tr>
<td>Brush-Off Blast</td>
<td>Sa 1</td>
<td>Sa 1</td>
<td>Sa 1</td>
<td>SP 6</td>
<td>4</td>
</tr>
<tr>
<td>Hand Tool Cleaning</td>
<td>C St 2</td>
<td>C St 2</td>
<td>C St 2</td>
<td>SP 2</td>
<td>-</td>
</tr>
<tr>
<td>Rusted</td>
<td>D St 2</td>
<td>D St 2</td>
<td>D St 2</td>
<td>SP 2</td>
<td>-</td>
</tr>
<tr>
<td>Pitted &amp; Rusted</td>
<td>C St 3</td>
<td>C St 3</td>
<td>C St 3</td>
<td>SP 3</td>
<td>-</td>
</tr>
<tr>
<td>Power Tool Cleaning</td>
<td>D St 3</td>
<td>D St 3</td>
<td>D St 3</td>
<td>SP 3</td>
<td>-</td>
</tr>
</tbody>
</table>

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### Tinting

Do not tint

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### 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.

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### 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

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### 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.

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### 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.
**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.

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.

**Surface Preparation Standards**

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<tr>
<th>Condition of Surface</th>
<th>ISO 8501-1</th>
<th>Swedish Std.</th>
<th>SSPC</th>
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<td>Sa 1</td>
<td>Sa 1</td>
<td>SP 7</td>
<td>4</td>
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<td>Hand Tool Cleaning</td>
<td>C St 2</td>
<td>C St 2</td>
<td>SP 2</td>
<td>1</td>
</tr>
<tr>
<td>Pitted &amp; Rusted</td>
<td>D St 2</td>
<td>D St 2</td>
<td>SP 2</td>
<td>1</td>
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<td>D St 3</td>
<td>D St 3</td>
<td>SP 3</td>
<td>1</td>
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**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 Up: MEK, R6K10 or R7K104

Airless Spray
- Unit: 30:1 minimum
- Pressure: 3000-3300 psi
- Hose: 3/8” ID
- Tip: 0.17”-.021”
- Filter: 60 mesh
- Reduction: Not recommended

Brush
- For stripe coating and repair only
- Nylon/Polyester or Natural Bristle
- Reduction: Not recommended

Roller
- For stripe coating and repair only
- 3/8” woven with solvent resistant core
- Reduction: Not recommended

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

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<tr>
<th>Recommended Spreading Rate per coat:</th>
<th>Minimum</th>
<th>Maximum</th>
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<td>1328 (32.5)</td>
<td></td>
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</tbody>
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**NOTE**: Brush or roll application may require multiple coats to achieve maximum film thickness and uniformity of appearance.

<table>
<thead>
<tr>
<th>Drying Schedule @ 10.0 mils wet (250 microns):</th>
<th>@ 77°F/25°C</th>
<th>50% RH</th>
</tr>
</thead>
<tbody>
<tr>
<td>To touch</td>
<td>3 hours</td>
<td></td>
</tr>
<tr>
<td>To handle</td>
<td>6.5 hours</td>
<td></td>
</tr>
<tr>
<td>To recoat</td>
<td>4 hours</td>
<td></td>
</tr>
<tr>
<td>Foot traffic</td>
<td>6.5 hours</td>
<td></td>
</tr>
<tr>
<td>Cure to service</td>
<td>24 hours</td>
<td></td>
</tr>
<tr>
<td>Pot Life</td>
<td>25 minutes (two qt mass)</td>
<td></td>
</tr>
<tr>
<td>Sweat-in-Time</td>
<td>Not required</td>
<td></td>
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Application of coating above maximum or below minimum recommended spreading rate may adversely affect coating performance.

**CLEAN UP INSTRUCTIONS**


**SAFETY PRECAUTIONS**

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