



# Protective & Marine Coatings

# WATER BASED CATALYZED EPOXY

PART A  
PART B  
PART B

B70  
B60V15  
B60V25

SERIES  
GLOSS HARDENER  
SEMI-GLOSS HARDENER

Revised February 23, 2015

## PRODUCT INFORMATION

4.11

### PRODUCT DESCRIPTION

**WATER BASED CATALYZED EPOXY** is a two-component water based, catalyzed, acrylic epoxy resin coating formulated for high performance use in industrial and commercial environments.

- Meets performance requirements of ASTM D3730
- Corrosion and chemical resistant
- Impact and abrasion resistant
- Flash rust resistant
- Low odor/nonflammable
- Low VOC
- Outstanding application properties

### PRODUCT CHARACTERISTICS

|                       |                                    |
|-----------------------|------------------------------------|
| <b>Finish:</b>        | Gloss or Semi-Gloss finish         |
| <b>Color:</b>         | Wide range of colors available     |
| <b>Volume Solids:</b> | 39% ± 2%, mixed, may vary by color |
| <b>Weight Solids:</b> | 47% ± 2%, mixed, may vary by color |
| <b>(VOC):</b>         |                                    |
| Deepbase:             | <200g/L; 1.67 lb/gal, mixed        |
| Extra White:          | <150g/L; 1.25 lb/gal, mixed        |
| <b>Mix Ratio:</b>     | 2 components, premeasured 4:1      |

### Recommended Spreading Rate per coat:

|                                                                             | Minimum          | Maximum          |
|-----------------------------------------------------------------------------|------------------|------------------|
| <b>Wet mils (microns)</b>                                                   | <b>6.5 (162)</b> | <b>8.0 (200)</b> |
| <b>Dry mils (microns)</b>                                                   | <b>2.5 (63)</b>  | <b>3.0 (75)</b>  |
| <b>~Coverage sq ft/gal (m<sup>2</sup>/L)</b>                                | <b>200 (4.9)</b> | <b>250 (6.1)</b> |
| Theoretical coverage sq ft/gal (m <sup>2</sup> /L) @ 1 mil / 25 microns dft | 624 (15.3)       |                  |

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

### Drying Schedule @ 8.0 mils wet (200 microns):

|                                                                              | @ 55°F/13°C | @ 77°F/25°C<br>50% RH | @ 120°F/49°C |
|------------------------------------------------------------------------------|-------------|-----------------------|--------------|
| <b>To touch:</b>                                                             | 2 hours     | 1 hours               | 20 minutes   |
| <b>Tack free:</b>                                                            | 4 hours     | 2 hours               | 30 minutes   |
| <b>Minimum recoat:</b>                                                       | 28 hours    | 18-24 hours           | 4 hours      |
| <b>Maximum recoat*:</b>                                                      | 30 days     | 30 days               | 30 days      |
| <b>To cure:</b>                                                              | 20 days     | 14 days               | 7 days       |
| <i>*If maximum recoat time is exceeded, abrade surface before recoating.</i> |             |                       |              |
| <i>Drying time is temperature, humidity, and film thickness dependent.</i>   |             |                       |              |
| <b>Pot Life:</b>                                                             | 48 hours    | 36 hours              | 16 hours     |
| <b>Sweat-in-time:</b>                                                        | 60 minutes  | 30 minutes            | 30 minutes   |

|                          |                                                                                                              |
|--------------------------|--------------------------------------------------------------------------------------------------------------|
| <b>Shelf Life:</b>       | Part A: 36 months, unopened<br>Part B: 24 months, unopened<br>Store indoors at 40°F (4.5°C) to 100°F (38°C). |
| <b>Flash Point:</b>      | 201°F (93°C), PMCC, mixed                                                                                    |
| <b>Reducer/Clean Up:</b> | Water                                                                                                        |

### RECOMMENDED USES

For use over prepared substrates such as steel, aluminum, and masonry in industrial environments.

- Hospitals
- Schools
- Pharmaceutical houses
- Exterior storage tanks
- Institutional kitchens
- Manufacturing equipment
- Tile-like wall coating
- Interior institutional/commercial high maintenance areas
- Upgrade surfaces painted with conventional coatings to a high performance protection system without lifting and bleeding
- Low odor/no shutdown sanitary coating system
- Suitable for use in USDA inspected facilities
- Acceptable for use in high performance architectural applications.

### PERFORMANCE CHARACTERISTICS

**Substrate\*:** Steel

**Surface Preparation\*:** SSPC-SP6/NACE 3

**System Tested\*:**

- 1 ct. Water Based Tile Clad Primer @ 3.0 mils (75 microns) dft
- 1 ct. Water Based Epoxy @ 3.0 mils (75 microns) dft

\*unless otherwise noted below

| Test Name                               | Test Method                                    | Results           |
|-----------------------------------------|------------------------------------------------|-------------------|
| <b>Abrasion Resistance</b>              | ASTM D4060, CS17 wheel, 1000 cycles, 1 kg load | 126 mg loss       |
| <b>Adhesion</b>                         | ASTM D4541                                     | 350 psi           |
| <b>Direct Impact Resistance</b>         | ASTM D2794                                     | 15 in. lb.        |
| <b>Dry Heat Resistance</b>              | ASTM D2485                                     | 250°F (121°C)     |
| <b>Exterior Durability</b>              | 1 year at 45° South                            | Excellent, chalks |
| <b>Flexibility</b>                      | ASTM D522, 180° bend, 1/4" mandrel             | Passes            |
| <b>Moisture Condensation Resistance</b> | ASTM D4585, 100°F (38°C), 3000 hours           | Excellent         |
| <b>Pencil Hardness</b>                  | ASTM D3363                                     | H                 |
| <b>Salt Fog Resistance</b>              | ASTM B117, 750 hours                           | Excellent         |
| <b>Scrub Resistance</b>                 | ASTM D2486                                     | 4,800 cycles      |



# Protective & Marine Coatings

# WATER BASED CATALYZED EPOXY

PART A  
PART B  
PART B

B70  
B60V15  
B60V25

SERIES  
GLOSS HARDENER  
SEMI-GLOSS HARDENER

## PRODUCT INFORMATION

Revised February 23, 2015

4.11

### RECOMMENDED SYSTEMS

|                                                                                |                                   | Dry Film Thickness / ct. |           |
|--------------------------------------------------------------------------------|-----------------------------------|--------------------------|-----------|
|                                                                                |                                   | Mils                     | (Microns) |
| <b>Steel, acrylic primer:</b>                                                  |                                   |                          |           |
| 1 ct.                                                                          | Pro Industrial Pro-Cryl Primer    | 2.0-4.0                  | (50-100)  |
| 1-2 cts.                                                                       | Water Based Catalyzed Epoxy       | 2.5-3.0                  | (63-75)   |
| <b>Steel, epoxy primer:</b>                                                    |                                   |                          |           |
| 1 ct.                                                                          | Water Based Tile Clad Primer      | 2.0-4.0                  | (50-100)  |
| 2 cts.                                                                         | Water Based Catalyzed Epoxy       | 2.5-3.0                  | (63-75)   |
| <b>Steel, alkyd primer:</b>                                                    |                                   |                          |           |
| 1 ct.                                                                          | Kem Bond HS                       | 2.5-5.0                  | (63-125)  |
| 2 cts.                                                                         | Water Based Catalyzed Epoxy       | 2.5-3.0                  | (63-75)   |
| <b>Aluminum/Galvanized Metal:</b>                                              |                                   |                          |           |
| 2 cts.                                                                         | Water Based Catalyzed Epoxy       | 2.5-3.0                  | (63-75)   |
| <b>Concrete:</b>                                                               |                                   |                          |           |
| 1 ct.                                                                          | Heavy Duty Block Filler           | 10.0-18.0                | (250-450) |
| or                                                                             |                                   |                          |           |
| 1 ct.                                                                          | Kem Cati-Coat Epoxy Filler/Sealer | 10.0-20.0                | (250-500) |
| 2 cts.                                                                         | Water Based Catalyzed Epoxy       | 2.5-3.0                  | (63-75)   |
| <b>Masonry/Smooth:</b>                                                         |                                   |                          |           |
| 2 cts.                                                                         | Water Based Catalyzed Epoxy       | 2.5-3.0                  | (63-75)   |
| NOTE: Weathered, soft or porous masonry must be treated with Loxon Conditioner |                                   |                          |           |
| <b>Wood, exterior:</b>                                                         |                                   |                          |           |
| 1 ct.                                                                          | Exterior Oil-based Wood Primer    | 1.5-2.0                  | (40-50)   |
| 2 cts.                                                                         | Water Based Catalyzed Epoxy       | 2.5-3.0                  | (63-75)   |
| <b>Wood, interior:</b>                                                         |                                   |                          |           |
| 1 ct.                                                                          | Premium Wall and Wood Primer      | 1.5-2.0                  | (40-50)   |
| 2 cts.                                                                         | Water Based Catalyzed Epoxy       | 2.5-3.0                  | (63-75)   |
| <b>Wallboard:</b>                                                              |                                   |                          |           |
| 1 ct.                                                                          | ProMar 200 Interior Latex Primer  | 1.0-1.4                  | (25-35)   |
| 2 cts.                                                                         | Water Based Catalyzed Epoxy       | 2.5-3.0                  | (63-75)   |

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.

**Do not use hydrocarbon solvents for cleaning.**

Minimum recommended surface preparation:

- \* Iron & Steel: SSPC-SP3
- Aluminum: SSPC-SP1
- Galvanizing: SSPC-SP1
- Concrete & Masonry: SSPC-SP13/NACE 6, or ICRI No. 310.2RR, CSP 1-3
- \* Wood, interior/exterior: Clean, smooth, dust free
- \* Requires Primer

| 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  | -    |
| Rusted                        | D St 2               | D St 2                 | SP 2  | -    |
| Pitted & Rusted               | C St 3               | C St 3                 | SP 3  | -    |
| Rusted                        | C St 3               | C St 3                 | SP 3  | -    |
| Power Tool Cleaning           | D St 3               | D St 3                 | SP 3  | -    |
| Pitted & Rusted               | D St 3               | D St 3                 | SP 3  | -    |

### TINTING

Tint Part A with Blend-A-Color Toner or EnviroToner at 100% tint strength, using the respective tinting formula pages. Better performance will be achieved with EnviroToners. Five minutes minimum mixing on a mechanical shaker is required for complete mixing of color.

### APPLICATION CONDITIONS

Temperature: 55°F (13°C) minimum, 100°F (38°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 A 4 gallon (15.1L) kit or 1 gallon (3.78L) container  
Part B 1 gallon (3.78L) or 1 quart (0.94L)  
Weight: 10.0 ± 0.2 lb/gal : 1.2 Kg/L mixed, may vary by 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

# WATER BASED CATALYZED EPOXY

PART A  
PART B  
PART B

B70  
B60V15  
B60V25

SERIES  
GLOSS HARDENER  
SEMI-GLOSS HARDENER

Revised February 23, 2015

## APPLICATION BULLETIN

4.11

### 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.

**Do not use hydrocarbon solvents for cleaning.**

#### Iron & Steel (atmospheric service)

Remove all oil and grease from surface by Solvent Cleaning per SSPC-SP1. Minimum surface preparation is Power Tool Cleaning per SSPC-SP 3. For better performance, use Commercial Blast Cleaning per SSPC-SP 6/ NACE 3. 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. Primer required.

#### Aluminum

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

#### Galvanized Steel

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

#### 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 ArmorSeal Crack Filler. 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. Laitance must be removed.

#### Wood

Surface must be clean, dry, and sound. Remove any oils and dirt from the surface using a degreasing solvent or strong detergent. Sand to remove any loose or deteriorated surface wood and to obtain a proper surface profile. Primer recommended.

### APPLICATION CONDITIONS

Temperature: 55°F (13°C) minimum, 100°F (38°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** ..... Water

#### Airless Spray

Pressure.....2000 psi  
Hose..... 1/4" ID  
Tip......015"  
Filter ..... 100 mesh  
Reduction.....As needed up to 12.5% by volume

#### Brush

Brush.....Nylon/Polyester  
Reduction.....Not recommended

#### Roller

Cover .....3/8" 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<br>BS7079:A1 | Swedish Std.<br>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   | St 2                    | St 2                      | SP 3  | -    |
| Pitted & Rusted      | St 2                    | St 2                      | SP 3  | -    |
| Rusted               | St 3                    | St 3                      | SP 3  | -    |
| Power Tool Cleaning  | St 3                    | St 3                      | SP 3  | -    |
| Pitted & Rusted      | St 3                    | St 3                      | SP 3  | -    |



# Protective & Marine Coatings

# WATER BASED CATALYZED EPOXY

PART A  
PART B  
PART B

B70  
B60V15  
B60V25

SERIES  
GLOSS HARDENER  
SEMI-GLOSS HARDENER

Revised February 23, 2015

## APPLICATION BULLETIN

4.11

### 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 four parts by volume of Part A with one part by volume of Part B. Thoroughly agitate the mixture with power agitation. Allow the material to sweat-in as indicated. Re-stir before using.

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

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

#### Recommended Spreading Rate per coat:

|                                                                                    | Minimum           | Maximum          |
|------------------------------------------------------------------------------------|-------------------|------------------|
| <b>Wet mils</b> (microns)                                                          | <b>6.5</b> (162)  | <b>8.0</b> (200) |
| <b>Dry mils</b> (microns)                                                          | <b>2.5</b> (63)   | <b>3.0</b> (75)  |
| <b>~Coverage sq ft/gal</b> (m <sup>2</sup> /L)                                     | <b>200</b> (4.9)  | <b>250</b> (6.1) |
| Theoretical coverage <b>sq ft/gal</b> (m <sup>2</sup> /L) @ 1 mil / 25 microns dft | <b>624</b> (15.3) |                  |

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

#### Drying Schedule @ 8.0 mils wet (200 microns):

|                                                                              | @ 55°F/13°C | @ 77°F/25°C<br>50% RH | @ 120°F/49°C |
|------------------------------------------------------------------------------|-------------|-----------------------|--------------|
| <b>To touch:</b>                                                             | 2 hours     | 1 hour                | 20 minutes   |
| <b>Tack free:</b>                                                            | 4 hours     | 2 hours               | 30 minutes   |
| <b>Minimum recoat:</b>                                                       | 28 hours    | 18-24 hours           | 4 hours      |
| <b>Maximum recoat*:</b>                                                      | 30 days     | 30 days               | 30 days      |
| <b>To cure:</b>                                                              | 20 days     | 14 days               | 7 days       |
| <i>*If maximum recoat time is exceeded, abrade surface before recoating.</i> |             |                       |              |
| <i>Drying time is temperature, humidity, and film thickness dependent.</i>   |             |                       |              |
| <b>Pot Life:</b>                                                             | 48 hours    | 36 hours              | 16 hours     |
| <b>Sweat-in-time:</b>                                                        | 60 minutes  | 30 minutes            | 30 minutes   |

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 soap and warm water. Clean hands and tools immediately after use with soap and warm water. After cleaning, flush spray equipment with Mineral Spirits, R1K4, to prevent rusting of the equipment. Follow manufacturer's safety recommendations when using any solvent.

### 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.

### 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 soap and water.

Do not use hydrocarbon solvents for cleaning.

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

### 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.

# MATERIAL SAFETY DATA SHEET

B70W211  
25 00

DATE OF PREPARATION  
Dec 23, 2016

## SECTION 1 — PRODUCT AND COMPANY IDENTIFICATION

### PRODUCT NUMBER

B70W211

### PRODUCT NAME

Water Based Catalyzed Epoxy (Part A), Extra White

### MANUFACTURER'S NAME

THE SHERWIN-WILLIAMS COMPANY  
101 W. Prospect Avenue  
Cleveland, OH 44115

### Telephone Numbers and Websites

|                                                                         |                                            |
|-------------------------------------------------------------------------|--------------------------------------------|
| Product Information                                                     | (800) 524-5979<br>www.sherwin-williams.com |
| Regulatory Information                                                  | (216) 566-2902<br>www.paintdocs.com        |
| Medical Emergency                                                       | (216) 566-2917                             |
| Transportation Emergency*                                               | (800) 424-9300                             |
| *for Chemical Emergency ONLY (spill, leak, fire, exposure, or accident) |                                            |

## SECTION 2 — COMPOSITION/INFORMATION ON INGREDIENTS

| % by Weight | CAS Number | Ingredient                 | Units                       | Vapor Pressure |
|-------------|------------|----------------------------|-----------------------------|----------------|
| 2           | 112-34-5   | 2-(2-Butoxyethoxy)-ethanol |                             |                |
|             |            | ACGIH TLV                  | Not Available               | 0.06 mm        |
|             |            | OSHA PEL                   | Not Available               |                |
| 2           | 107-21-1   | Ethylene Glycol            |                             |                |
|             |            | ACGIH TLV                  | 100 MG/M3 CEILING (aerosol) | 0.12 mm        |
|             |            | OSHA PEL                   | 50 PPM CEILING              |                |
| 15          | 13463-67-7 | Titanium Dioxide           |                             |                |
|             |            | ACGIH TLV                  | 10 mg/m3 as Dust            |                |
|             |            | OSHA PEL                   | 10 mg/m3 Total Dust         |                |
|             |            | OSHA PEL                   | 5 mg/m3 Respirable Fraction |                |

## SECTION 3 — HAZARDS IDENTIFICATION

### ROUTES OF EXPOSURE

INHALATION of vapor or spray mist.  
EYE or SKIN contact with the product, vapor or spray mist.

### EFFECTS OF OVEREXPOSURE

**EYES:** Irritation.

**SKIN:** Prolonged or repeated exposure may cause irritation.

**INHALATION:** Irritation of the upper respiratory system.

In a confined area vapors in high concentration may cause headache, nausea or dizziness.

Prolonged overexposure to hazardous ingredients in Section 2 may cause adverse chronic effects to the following organs or systems:

- the liver
- the urinary system

### SIGNS AND SYMPTOMS OF OVEREXPOSURE

Redness and itching or burning sensation may indicate eye or excessive skin exposure.

### MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE

None generally recognized.

### CANCER INFORMATION

For complete discussion of toxicology data refer to Section 11.

### HMIS Codes

|              |    |
|--------------|----|
| Health       | 2* |
| Flammability | 0  |
| Reactivity   | 0  |

## SECTION 4 — FIRST AID MEASURES

**EYES:** Flush eyes with large amounts of water for 15 minutes. Get medical attention.

**SKIN:** Wash affected area thoroughly with soap and water.  
Remove contaminated clothing and laundry before re-use.

**INHALATION:** If affected, remove from exposure. Restore breathing. Keep warm and quiet.

**INGESTION:** Do not induce vomiting. Get medical attention immediately.

## SECTION 5 — FIRE FIGHTING MEASURES

|                    |                   |                   |                                    |
|--------------------|-------------------|-------------------|------------------------------------|
| <b>FLASH POINT</b> | <b>LEL</b>        | <b>UEL</b>        | <b>FLAMMABILITY CLASSIFICATION</b> |
| > 200 °F PMCC      | Not<br>Applicable | Not<br>Applicable | Not Applicable                     |

### EXTINGUISHING MEDIA

Carbon Dioxide, Dry Chemical, Alcohol Foam

### UNUSUAL FIRE AND EXPLOSION HAZARDS

Closed containers may explode (due to the build-up of pressure) when exposed to extreme heat.

During emergency conditions overexposure to decomposition products may cause a health hazard. Symptoms may not be immediately apparent. Obtain medical attention.

### SPECIAL FIRE FIGHTING PROCEDURES

Full protective equipment including self-contained breathing apparatus should be used.

Water spray may be ineffective. If water is used, fog nozzles are preferable. Water may be used to cool closed containers to prevent pressure build-up and possible autoignition or explosion when exposed to extreme heat.

## SECTION 6 — ACCIDENTAL RELEASE MEASURES

### STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

Remove all sources of ignition. Ventilate the area.

Remove with inert absorbent.

## SECTION 7 — HANDLING AND STORAGE

### STORAGE CATEGORY

DOL Storage Class IIIB

### PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE

Keep container closed when not in use. Transfer only to approved containers with complete and appropriate labeling. Do not take internally.

Keep out of the reach of children.

## SECTION 8 — EXPOSURE CONTROLS/PERSONAL PROTECTION

### PRECAUTIONS TO BE TAKEN IN USE

Use only with adequate ventilation.

Avoid contact with skin and eyes. Avoid breathing vapor and spray mist.

Wash hands after using.

This coating may contain materials classified as nuisance particulates (listed "as Dust" in Section 2) which may be present at hazardous levels only during sanding or abrading of the dried film. If no specific dusts are listed in Section 2, the applicable limits for nuisance dusts are ACGIH TLV 10 mg/m<sup>3</sup> (total dust), 3 mg/m<sup>3</sup> (respirable fraction), OSHA PEL 15 mg/m<sup>3</sup> (total dust), 5 mg/m<sup>3</sup> (respirable fraction).

### VENTILATION

Local exhaust preferable. General exhaust acceptable if the exposure to materials in Section 2 is maintained below applicable exposure limits. Refer to OSHA Standards 1910.94, 1910.107, 1910.108.

### RESPIRATORY PROTECTION

If personal exposure cannot be controlled below applicable limits by ventilation, wear a properly fitted organic vapor/particulate respirator approved by NIOSH/MSHA for protection against materials in Section 2.

When sanding or abrading the dried film, wear a dust/mist respirator approved by NIOSH/MSHA for dust which may be generated from this product, underlying paint, or the abrasive.

### PROTECTIVE GLOVES

Wear gloves which are recommended by glove supplier for protection against materials in Section 2.

### EYE PROTECTION

Wear safety spectacles with unperforated sideshields.

### OTHER PRECAUTIONS

This product must be mixed with other components before use. Before opening the packages, READ AND FOLLOW WARNING LABELS ON ALL COMPONENTS.

## SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES

|                                                            |                   |                                          |
|------------------------------------------------------------|-------------------|------------------------------------------|
| PRODUCT WEIGHT                                             | 9.69 lb/gal       | 1161 g/l                                 |
| SPECIFIC GRAVITY                                           | 1.17              |                                          |
| BOILING POINT                                              | 212 - 448 °F      | 100 - 231 °C                             |
| MELTING POINT                                              | Not Available     |                                          |
| VOLATILE VOLUME                                            | 62%               |                                          |
| EVAPORATION RATE                                           | Slower than ether |                                          |
| VAPOR DENSITY                                              | Heavier than air  |                                          |
| SOLUBILITY IN WATER                                        | Not Available     |                                          |
| pH                                                         | > 2.0, < 11.5     |                                          |
| VOLATILE ORGANIC COMPOUNDS (VOC Theoretical - As Packaged) |                   |                                          |
| 1.09 lb/gal                                                | 131 g/l           | Less Water and Federally Exempt Solvents |
| 0.46 lb/gal                                                | 56 g/l            | Emitted VOC                              |

## SECTION 10 — STABILITY AND REACTIVITY

**STABILITY** — Stable

**CONDITIONS TO AVOID**

None known.

**INCOMPATIBILITY**

None known.

**HAZARDOUS DECOMPOSITION PRODUCTS**

By fire: Carbon Dioxide, Carbon Monoxide

**HAZARDOUS POLYMERIZATION**

Will not occur

## SECTION 11 — TOXICOLOGICAL INFORMATION

### CHRONIC HEALTH HAZARDS

IARC's Monograph No. 93 reports there is sufficient evidence of carcinogenicity in experimental rats exposed to titanium dioxide but inadequate evidence for carcinogenicity in humans and has assigned a Group 2B rating. In addition, the IARC summary concludes, "No significant exposure to titanium dioxide is thought to occur during the use of products in which titanium is bound to other materials, such as paint."

Ethylene Glycol is considered an animal teratogen. It has been shown to cause birth defects in rats and mice at high doses when given in drinking water or by gavage. There is no evidence to indicate it causes birth defects in humans.

### TOXICOLOGY DATA

| CAS No.    | Ingredient Name            |          |     |               |
|------------|----------------------------|----------|-----|---------------|
| 112-34-5   | 2-(2-Butoxyethoxy)-ethanol | LC50 RAT | 4HR | Not Available |
|            |                            | LD50 RAT |     | 5660 mg/kg    |
| 107-21-1   | Ethylene Glycol            | LC50 RAT | 4HR | Not Available |
|            |                            | LD50 RAT |     | 4700 mg/kg    |
| 13463-67-7 | Titanium Dioxide           | LC50 RAT | 4HR | Not Available |
|            |                            | LD50 RAT |     | Not Available |

## SECTION 12 — ECOLOGICAL INFORMATION

### ECOTOXICOLOGICAL INFORMATION

No data available.

## SECTION 13 — DISPOSAL CONSIDERATIONS

### WASTE DISPOSAL METHOD

Waste from this product is not hazardous as defined under the Resource Conservation and Recovery Act (RCRA) 40 CFR 261. Incinerate in approved facility. Do not incinerate closed container. Dispose of in accordance with Federal, State/Provincial, and Local regulations regarding pollution.

## SECTION 14 — TRANSPORT INFORMATION

Multi-modal shipping descriptions are provided for informational purposes and do not consider container sizes. The presence of a shipping description for a particular mode of transport (ocean, air, etc.), does not indicate that the product is packaged suitably for that mode of transport. All packaging must be reviewed for suitability prior to shipment, and compliance with the applicable regulations is the sole responsibility of the person offering the product for transport.

### US Ground (DOT)

Not Regulated for Transportation.

### Canada (TDG)

Not Regulated for Transportation.

### IMO

Not Regulated for Transportation.

### IMO

Not Regulated for Transportation.

### IATA/ICAO

Not Regulated for Transportation.

## SECTION 15 — REGULATORY INFORMATION

### SARA 313 (40 CFR 372.65C) SUPPLIER NOTIFICATION

| CAS No.   | CHEMICAL/COMPOUND | % by WT | % Element |
|-----------|-------------------|---------|-----------|
| 107-21-1  | Ethylene Glycol   | 2       |           |
| 7429-90-5 | Aluminum          |         | 0.1       |
|           | Glycol Ethers     | 3       |           |

### CALIFORNIA PROPOSITION 65

WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

### TSCA CERTIFICATION

All chemicals in this product are listed, or are exempt from listing, on the TSCA Inventory.

## SECTION 16 — OTHER INFORMATION

This product has been classified in accordance with the hazard criteria of the Canadian Controlled Products Regulations (CPR) and the MSDS contains all of the information required by the CPR.

The above information pertains to this product as currently formulated, and is based on the information available at this time. Addition of reducers or other additives to this product may substantially alter the composition and hazards of the product. Since conditions of use are outside our control, we make no warranties, express or implied, and assume no liability in connection with any use of this information.



**Webster University Interdisciplinary  
Science Building - Special Wall Coatings  
(SWC)**

**SPECTRA PAINTING COMPANY, LP**  
13573 SAINT CHARLES ROCK RD  
BRIDGETON, MO 630442431

Prepared By:

Mark Cassani  
Sales Representative  
swrep6270@sherwin.com  
(314) 941-0286



## SCHEDULE

### Interior Finishes

#### **Wet Areas**

Finish: B70W00211 - Waterbased Catalyzed Epoxy Semi-Gloss

*Cadaver Lab and Cadaver Work Room*

*PT-4 SW7667 Zircon*

#### **Special Wall Coatings (SWC)**

Finish: B67W00201 - Pro Industrial High Performance Epoxy Semi-Gloss

#### **Special Coatings - Ferrous Metal**

Primer: B66W00310 - Pro Industrial Pro-Cryl® Universal Acrylic Primer

Finish: B70W00211 - Waterbased Catalyzed Epoxy Semi-Gloss

*PT-5 SW6991 Black Magic*

#### **Special Coatings - Concrete Block Masonry**

Primer: B42W00046 - Heavy Duty Block Filler

Finish: B70W00211 - Waterbased Catalyzed Epoxy Semi-Gloss

*Cadaver Lab and Cadaver Work Room*

*PT-4 SW7667 Zircon*

#### **Special Coatings - Gypsum Drywall**

Primer: B28W02600 - ProMar® 200 Zero VOC Interior Latex Primer

Finish: B70W00211 - Waterbased Catalyzed Epoxy Semi-Gloss

*Cadaver Lab and Cadaver Work Room*

*PT-4 SW7667 Zircon*

END OF SECTION





77 Westport Plaza  
Suite 250  
St. Louis, MO 63146

**TRANSMITTAL**

**No. 15051-0484**

*Paric Corporation*

**PROJECT:** 15051-Webster University Interdisciplinary Science Building

**DATE:** 02/08/2017

**TO:** Cannon Design  
1100 Clark Ave  
St Louis MO 63102

Fax;  
314-241-2203

**RE:** Special Wall Coating Product Data

**ATTN:** Kelvin Patel

**JOB:** 15051

| WE ARE SENDING:                                         |  | SUBMITTED FOR:                               | ACTION TAKEN:                                     |
|---------------------------------------------------------|--|----------------------------------------------|---------------------------------------------------|
| <input type="checkbox"/> Shop Drawings                  |  | <input checked="" type="checkbox"/> Approval | <input type="checkbox"/> Approved as Submitted    |
| <input type="checkbox"/> Letter                         |  | <input type="checkbox"/> Your Use            | <input type="checkbox"/> Approved as Noted        |
| <input type="checkbox"/> Prints                         |  | <input type="checkbox"/> As Requested        | <input type="checkbox"/> Returned After Loan      |
| <input type="checkbox"/> Change Order                   |  | <input type="checkbox"/> Review and Comment  | <input type="checkbox"/> Resubmit                 |
| <input type="checkbox"/> Plans                          |  |                                              | <input type="checkbox"/> Submit                   |
| <input type="checkbox"/> Samples                        |  | SENT VIA:                                    | <input type="checkbox"/> Returned                 |
| <input type="checkbox"/> Specifications                 |  | <input type="checkbox"/> Attached            | <input type="checkbox"/> Returned for Corrections |
| <input checked="" type="checkbox"/> Other: Product Data |  | <input type="checkbox"/> Separate Cover Via: | <input type="checkbox"/> Due Date:                |

| Item      | Package | Code       | Rev. | Copies | Date       | Description                       | Status    |
|-----------|---------|------------|------|--------|------------|-----------------------------------|-----------|
| Submittal |         | 099230-001 | 1    |        | 02/08/2017 | Special Wall Coating Product Data | Submitted |

**NOTES:**

**CC:**

Signed: \_\_\_\_\_  
Devin Gates