



# TECHNICAL INFORMATION

## POWDURA® EPOXY POWDER COATING

### PRODUCT DESCRIPTION

**EGS6-00004**  
**Z.R. Primer**

**POWDURA® Epoxy Powder Coatings** are recommended for a broad range of interior functional and decorative applications.

**Advantages:**

- Provides outstanding chemical resistance
- Adheres to a wide range of substrates
- Excellent hardness
- Available in a broad range of colors
- Textured finishes available
- Can be formulated to minimize outgassing

Many applications, including:  
Indoor refrigeration equipment  
Hospital/medical equipment  
Automotive underhood  
Shelving  
Electrical equipment  
Instrument cases  
Steel tanks  
Valves and piping

**Storage:** Powdura® Powder Coatings should be kept in a dry and cool area at temperatures below 80°F (27° C). When not in use, store powder in sealed containers: fine powders are hygroscopic.

**Substrate Preparation:** Substrate should be free of grease, oil, dirt, fingerprints, drawing compounds, any contamination, and surface preparation treatments to ensure optimum adhesion and coating performance properties. The use of a chemical conversion coating prior to the application of a powder coating is strongly recommended.

**Testing:** Due to the wide variety of substrates, surface preparation methods, application methods, and environments, the customer should test the complete system for adhesion, compatibility and performance prior to full-scale application.

### CAUTIONS

Thoroughly review product SDS prior to using this product. Please consult your local sales representative or your local Sherwin-Williams facility for additional information.

Not recommended for exterior applications where color and gloss retention are required. Epoxies will chalk and fade rapidly when exposed to UV radiation.

### APPLICATION

All testing was performed on clean panels with appropriate pretreatment. Proper pretreatment will enhance performance of this product.

**Cure Schedule:** 10min@200C(390F)  
25min@135C(275F)

**Film Thickness Range (mils):** 2.0-3.0

### ATTRIBUTES

**Specific Gravity (g/ml):** 2.37

**Coverage at 1.0 Mil (ft<sup>2</sup> /lb )** 81.6

**60° Gloss:** 50-70  
(ASTM D-523)

**Adhesion:** 5B  
(ASTM D-3359)

**Flexibility:** Pass 1/8"  
(ASTM D-522)

**Pencil Hardness:** H-2H  
(ASTM D-3363)

**Impact Resistance (in.lb):** Dir 120 in-lbs  
(ASTM D-2794) Rev 120 in-lbs

**Shelf Life:** 12 Months

Sherwin-Williams recommends that all material be used in FIFO order ( first in - first out). Materials that exceed the recommended shelf life should be tested prior to use.

### Technical Remark

EGS6-00004 is suitable for use as a primer in exterior applications when used with a suitable Polyester TGIC, TGIC-Free or Urethane topcoat. We recommend that the primer is only partially cured prior to topcoating to ensure proper intercoat adhesion.

**Note:**

Product Data Sheets are periodically updated to reflect new information relating to the product. It is important that the customer obtain the most recent Product Data Sheet for the product being used. The information, rating and opinions stated above pertain to the material currently offered and represent the results of tests believed to be reliable. However, due to variations in customer handling and methods of application, which are not known, or under our control, The Sherwin-Williams Company cannot make any warranties or guaranties as to the end results.

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09-Aug-2019



# TECHNICAL INFORMATION

## POWDURA® POLYESTER TGIC POWDER COATING

### PRODUCT DESCRIPTION

**PGS8-70233  
CHAP SHALE GREEN**

**POWDURA® Polyester TGIC Powder Coatings** are recommended for a broad range of interior/exterior functional and decorative applications.

**Advantages:**

- Provides excellent overbake resistance
- Good chemical resistance
- Very good outdoor exposure qualities
- Wide range of special effects available
- Available in a broad range of colors

Many applications, including:

- Steel Furniture
- Refrigeration
- Electronic Cabinetry
- Scaffolding
- Electrical Equipment
- Instrument Housings
- Appliances
- Sporting Goods

**Storage:** Powdura® Powder Coatings should be kept in a dry and cool area at temperatures below 80°F (27°C). When not in use, store powder in sealed containers: fine powders are hygroscopic.

**Substrate Preparation:** Substrate should be free of grease, oil, dirt, fingerprints, drawing compounds, any contamination, and surface preparation treatments to ensure optimum adhesion and coating performance properties. The use of a chemical conversion coating prior to the application of a powder coating is strongly recommended.

**Testing:** Due to the wide variety of substrates, surface preparation methods, application methods, and environments, the customer should test the complete system for adhesion, compatibility and performance prior to full-scale application.

### CAUTIONS

Thoroughly review product MSDS prior to using this product. Please consult your local sales representative or your local Sherwin-Williams facility for additional information.

### APPLICATION

**Cure Schedule:** 10MIN @ 400F  
**Film Thickness Range (mils):** 3.0-4.0

### ATTRIBUTES

**Specific Gravity ( g/ml ):** 1.57  
**Coverage at 1.0 Mil( ft<sup>2</sup> /lb )** 123  
**60° Gloss:** 85-RECORD  
 (ASTM D-523)  
**Adhesion:** 5B  
 (ASTM D-3359)  
**Flexibility:** Pass 1/8"  
 (ASTM D-522)  
**Pencil Hardness:** H-2H  
 (ASTM D-3363)  
**Impact Resistance (in.lb):** Dir 80 in-lbs  
 (ASTM D-2794) Rev 60 in-lbs  
**Note:** Performance measured using 24-gauge Bonderite® 1000 test panels.  
**Shelf Life:** 12 Months

**Note:**

Product Data Sheets are periodically updated to reflect new information relating to the product. It is important that the customer obtain the most recent Product Data Sheet for the product being used. The information, rating and opinions stated above pertain to the material currently offered and represent the results of tests believed to be reliable. However, due to variations in customer handling and methods of application, which are not known, or under our control, The Sherwin-Williams Company cannot make any warranties or guaranties as to the end results.

Grove City Product Mod  
29-Dec-2017