



# TECHNICAL INFORMATION

## POWDURA® POLYESTER TGIC-FREE POWDER COATING

### PRODUCT DESCRIPTION

#### **FBS6-C2476 Semi-Gloss Black**

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

#### **Advantages:**

- Superior application properties
- Excellent transfer efficiency
- Provides excellent overbake resistance
- Good chemical resistance
- Very good outdoor exposure qualities
- 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:** 10 MINS @ 400F

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

### ATTRIBUTES

**Specific Gravity( g/ml ):** 1.68

**Coverage at 1.0 Mil( ft<sup>2</sup> /lb )** 115

**60° Gloss:** 50-60  
(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 160 in-lbs  
(ASTM D-2794) Rev 160 in-lbs

**Humidity ( ASTM D-4585 )**  
-slight gloss and color change  
1000 hours

**SaltSpray ( ASTM B-117 )**  
max 1/8" Creepage  
1000 hours

**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 Powder R&D  
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