



# TECHNICAL INFORMATION

## POWDURA® SUPERDURABLE POLYESTER TGIC POWDER COATING

### PRODUCT DESCRIPTION

**DAS2-80002**

**Charcoal**

**POWDURA® Superdurable Polyester TGIC**

**Powder Coatings** are designed to provide superior outdoor weathering capabilities compared to standard TGIC polyesters. This superdurable powder coating incorporates Solar Reflective pigments and is designed to meet the requirements of AAMA 2604.

#### Advantages:

- Excellent exterior color and gloss retention
- Excellent overbake resistance
- Good chemical resistance

Many applications, including:

Windows  
Doors  
Frames  
Railings

**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.

**Aluminum:** A minimum of a 5-stage metal cleaning and pretreatment system, or equivalent, is recommended for good adhesion and optimum coating performance properties. guidelines must be followed.

**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

### 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.

### APPLICATION

**Cure Schedule:** 10' @ 400F

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

### ATTRIBUTES

**Specific Gravity(g/ml):** 1.52

**Coverage at 1.0 Mil(ft<sup>2</sup>/lb):** 127

**60° Gloss:** 25-35  
(ASTM D-523)

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

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

**Impact Resistance(in.lb):** Dir 40 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.

#### 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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Grove City Powder R&D

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