# TECHNICAL INFORMATION

**POWDURA™ 4000 HIGH PERFORMANCE ARCHITECTURAL POWDER COATING**

## PRODUCT DESCRIPTION

**JDS3-V0001**
**4000 FP BRONZE**

**POWDURA® 4000 Superdurable Polyester TGIC Powder Coatings** are recommended for a broad range of architectural applications. They incorporate high performance pigments with The Superdurable resin technology that is designed to meet the requirements of AAMA 2604 5 year weathering requirements. 10 years of proven in field service.

**Advantages:**

- High Performance Exterior Durability
- Darker jet black colors available, offering a wider range of color space
- In stock program
- Designer Color Offering for Window & Door

**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.

If AAMA 2604 performance is required, the AAMA 2604 pretreatment guidelines must be followed.

**Product Limitations:**

- The range of color availability will depend on exposure requirements and Architect's specification.
- Above 3.5mils DFT mechanical properties will decline
- While these coatings have been formulated with the intent to meet requirements of AAMA 2604 complete testing regarding South Florida weathering does not exist for all colors.

**Testing:** Due to the wide variety of substrates, surface preparation methods, application methods, and environments, the customer should test the complete system for

## 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

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|---|---|
| **Cure Schedule:** | 10 MIN @400F |
| **Film Thickness Range**(mils): | 2.0-3.0 |

## ATTRIBUTES

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|---|---|
| **Specific Gravity**(g/ml): | 1.47 |
| **Coverage at 1.0 Mil**($ft^2$/lb): | 131.8 |
| **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.

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| **60° Gloss:** (ASTM D-523) | 30-40 |
| **Direct Impact Resistance:** (≥3mm) | Pass (No loss of Adhesion) |
| **Acid Resistance** (ASTM D3260) (Muriatic Acid 10%-15min) | No Effect |
| **Mortar Resistance-24 hr** (ASTM D3260) | Easily Dislodged |
| **Detergent Resistance** (ASTM D2248) (3% Immersion @ 100°F-72 hrs) | No Effect |
| **Humidity** (ASTM D-4585) | Pass 3000 hours |
| **SaltSpray** (ASTM B-117) | Pass 3000 hours |

**Florida 45° South**
(5 years)

- **Color:** ≤5dE;
- **Chalk:** Max 8
- **Gloss:** ≥30% Retention

**Note:** Performance measured using ACT Aluminum Chromated Aluminum test panels (or equivalent).

**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 Product Mod

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