TECHNICAL INFORMATION

POWDURA® 5000 SUPERIOR PERFORMANCE ARCHITECTURAL POWDER COATING

PRODUCT DESCRIPTION

LHS2-80004
Clay

POWDURA® 5000 Superior Performance Architectural Powder Coatings are recommended for a broad range of architectural applications. They incorporate Fluorocarbon resin technology with Solar Reflective pigments and are designed to meet the requirements of AAMA 2605.

Advantages:

- Superior exterior color and gloss retention
- Single coat application
- Superior abrasion resistance
- Proven in field experience
- Formulary of colors readily available

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 2605 performance is required, the AAMA 2605 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 2605 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

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:	10MINS@400F 10MINS@205C
Film Thickness Range(mils):	2.0-3.0

ATTRIBUTES

Specific Gravity(g/ml):	1.61
Coverage at 1.0 Mil(ft^2/lb):	120.2
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.

60° Gloss: (ASTM D-523)	25-35
Adhesion: (ASTM D-3359)	5B
Direct Impact Resistance: (≥3mm)	Pass (No loss of Adhesion)
Acid Resistance (ASTM D3260) (Muriatic Acid 10%-15min)	No Effect
Alkali Resistance (ASTM D3260) (Mortar Resistance-24hr)	No Effect
Detergent Resistance (ASTM D2248) (3% Immersion @ 100°F-72 hrs)	No Effect
Humidity (ASTM D-4585)	Pass 4000 hours
SaltSpray (ASTM G85 Annex A5)	Pass 2000 hours

Florida 45° South
(10 years)

- **Color:** <5ΔE
- **Chalk:** Max 8 only on colors
- **Chalk:** Max 6 rating on whites
- **Gloss:** >50% Retention

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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