TECHNICAL INFORMATION

POWDURA™ 4000 HIGH PERFORMANCE ARCHITECTURAL POWDER COATING

PRODUCT DESCRIPTION

VHM2-80000
4000 CHAMPAGNE TOPAZ

POWDURA® 4000 Superdurable Polyester TGIC-Free Powder Coatings are recommended for a broad range of architectural applications. These coatings are designed to meet the requirements of AAMA 2604.

Advantages:

- Superior Exterior Durability
- Enhanced First Pass Transfer

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.

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.

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.

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):	1.47
Coverage at 1.0 Mil(ft^2/lb):	131.6
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)	5-30
Adhesion: (ASTM D-3359)	5B
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

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).

Technical Remark
This product will have limited reclaimability. Please consult your local sales representative or your local Sherwin-Williams facility for additional information.

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.

08 00
Grove City Powder R&D
31-Oct-2023