TECHNICAL INFORMATION

POWDURA™ 4000 HIGH PERFORMANCE ARCHITECTURAL POWDER COATING

PRODUCT DESCRIPTION

DWS8-60048
SKY WHITE

POWDURA® 4000 Superdurable Polyester Powder Coating are recommended for a broad range of architectural applications. They incorporate Solar Reflective pigments and are designed to meet the requirements of AAMA 2604-05.

Advantages:

- Superior exterior color and gloss retention
- Good chemical resistance
- Limited color selection to maintain AAMA 2604-05 performance

Many applications, including:
Windows
Doors
Frames
Railings
Fencing
Heavy Equipment

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 2604-05 performance is required, the AAMA 2604-05 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.

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 MIN @ 400F
Film Thickness Range(mils):	2.0-3.0

ATTRIBUTES

Specific Gravity(g/ml):	1.56
Coverage at 1.0 Mil(ft^2/lb):	124
60° Gloss: (ASTM D-523)	85-95
Pencil Hardness: (ASTM D-3363)	H-2H
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.

Technical Remark
Powder coatings are generally rated at approximately 800-1000 volts per mil at less than 10 mils but with a slightly lower average over 10 mils. This will vary with color, gloss, surface preparation, contaminants and voids that are present in the film and other factors.

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

20-Mar-2024