TECHNICAL INFORMATION

POWDURA® EPOXY POWDER COATING

PRODUCT DESCRIPTION

EHS2-90015
Tan 23446

POWDURA® Epoxy Powder Coatings are recommended for a broad range of interior functional and decorative applications.

Advantages:

- Provides outstanding chemical resistance
- Adheres to a wide range of substrates
- Excellent hardness
- Available in a broad range of colors
- Textured finishes available
- Can be formulated to minimize outgassing

Many applications, including:
Indoor refrigeration equipment
Hospital/medical equipment
Automotive underhood
Shelving
Electrical equipment
Instrument cases
Steel tanks
Valves and piping

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.

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.

Not recommended for exterior applications where color and gloss retention are required. Epoxies will chalk and fade rapidly when exposed to UV radiation.

APPLICATION

All testing was performed on clean panels with appropriate pretreatment. Proper pretreatment will enhance performance of this product.

Cure Schedule:	10 MIN @ 350F 10 MIN @ 177C
Film Thickness Range(mils):	1.8-2.5 MILS

ATTRIBUTES

Specific Gravity(g/ml):	1.68
Coverage at 1.0 Mil(ft^2/lb):	114.7
60° Gloss: (ASTM D-523)	15-25
Adhesion: (ASTM D-3359)	5B
Flexibility: (ASTM D-522)	Pass 1/8"
Pencil Hardness: (ASTM D-3363)	H-2H
Impact Resistance(in.lb): (ASTM D-2794)	Dir 60 in-lbs Rev 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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