



# TECHNICAL INFORMATION

## POWDURA® POLYESTER URETHANE POWDER COATING

### PRODUCT DESCRIPTION

#### **UHS8-C0000 Unicream**

**POWDURA® Polyester Urethane Powder Coatings** are recommended for a broad range of interior/exterior functional and decorative applications.

#### **Advantages:**

- Available in a broad range of colors
- Very good exterior color and gloss retention
- Excellent corrosion resistance
- Excellent humidity resistance
- Textured finishes available
- Simulated metallic effects available
- Can be formulated to minimize outgasing
- Very good chemical resistance

Many applications, including:

Fluorescent lighting  
Lawn and garden equipment  
Transformer cases  
Playground equipment  
Steel and aluminum wheels  
Patio furniture  
HVAC 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.

**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 MSDS prior to using this product. Please consult your local sales representative or your local Sherwin-Williams facility for additional information.

### APPLICATION

<b>Cure Schedule:</b>	10 MIN @ 400F 10 MIN @ 204C
<b>Film Thickness Range (mils):</b>	1.8-3.0 MILS

### ATTRIBUTES

<b>Specific Gravity( g/ml ):</b>	1.65
<b>Coverage at 1.0 Mil( ft<sup>2</sup> /lb )</b>	117.4
<b>60° Gloss:</b> (ASTM D-523)	70-80
<b>Adhesion:</b> (ASTM D-3359)	5B
<b>Flexibility:</b> (ASTM D-522)	Pass 1/8"
<b>Pencil Hardness:</b> (ASTM D-3363)	H-2H
<b>Impact Resistance (in.lb):</b> (ASTM D-2794)	Dir 0 in-lbs Rev 0 in-lbs
<b>Note:</b> Performance measured using 24-gauge Bonderite® 1000 test panels.	
<b>Shelf Life:</b>	12 Months

#### **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.

Grove City Powder R&D  
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