



TECHNICAL INFORMATION

POWDURA™ 4000 HIGH PERFORMANCE ARCHITECTURAL POWDER COATING

PRODUCT DESCRIPTION

DWS6-60017 COASTAL 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 (204C)

Film Thickness Range(mils): 2.0-3.0

ATTRIBUTES

Specific Gravity(g/ml): 1.60

Coverage at 1.0 Mil(ft²/lb): 120.6

60° Gloss: 55-65
(ASTM D-523)

Pencil Hardness: H-2H
(ASTM D-3363)

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.

11 00

Grove City Powder R&D

20-Oct-2021



TECHNICAL INFORMATION

POWDURA™ 4000 HIGH PERFORMANCE ARCHITECTURAL POWDER COATING

PRODUCT DESCRIPTION

DSZ4-60009 ANODIZED SILVER

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): 1.37

Coverage at 1.0 Mil(ft²/lb): 141

60° Gloss: 30-40
(ASTM D-523)

Pencil Hardness: H-2H
(ASTM D-3363)

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.

21 00

Grove City Powder R&D

15-Dec-2021



TECHNICAL INFORMATION

POWDURA™ 4000 HIGH PERFORMANCE ARCHITECTURAL POWDER COATING

PRODUCT DESCRIPTION

JAM3-60000 FP SILVERSTORM

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: 10MIN@400F

Film Thickness Range(mils): 2.0-3.0

ATTRIBUTES

Specific Gravity(g/ml): 1.41

Coverage at 1.0 Mil(ft²/lb): 137.2

60° Gloss: 30-40
(ASTM D-523)

Pencil Hardness: H-2H
(ASTM D-3363)

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.

04 00

Grove City Product Mod

31-Mar-2022



TECHNICAL INFORMATION

POWDURA™ 4000 HIGH PERFORMANCE ARCHITECTURAL POWDER COATING

PRODUCT DESCRIPTION

JAS3-V0003

Westchester Gray

POWDURA® 4000 Superdurable Polyester TGIC Powder Coatings are recommended for a broad range of architectural applications. They incorporate high performance pigments with The Superdurable resin technology that is designed to meet the requirements of AAMA 2604 5 year weathering requirements. 10 years of proven in field service.

Advantages:

- High Performance Exterior Durability
- Darker jet black colors available, offering a wider range of color space
- In stock program
- Designer Color Offering for Window & Door

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.

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.

Testing: Due to the wide variety of substrates, surface preparation methods, application methods, and environments, the customer should test the complete system for

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): 1.46

Coverage at 1.0 Mil(ft²/lb): 132

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: 30-40
(ASTM D-523)

Direct Impact Resistance: Pass
(≥3mm) (No loss of Adhesion)

Acid Resistance No Effect
(ASTM D3260)
(Muriatic Acid 10%-15min)

Mortar Resistance-24 hr Easily Dislodged
(ASTM D3260)

Detergent Resistance No Effect
(ASTM D2248)
(3% Immersion @ 100°F-72 hrs)

Humidity Pass 3000 hours
(ASTM D-4585)

SaltSpray Pass 3000 hours
(ASTM B-117)

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).

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.

03 00
Grove City Product Mod
31-Mar-2022



TECHNICAL INFORMATION

POWDURA™ 4000 HIGH PERFORMANCE ARCHITECTURAL POWDER COATING

PRODUCT DESCRIPTION

JHS3-V0001 4000 LINEN

POWDURA® 4000 Superdurable Polyester TGIC Powder Coatings are recommended for a broad range of architectural applications. They incorporate high performance pigments with The Superdurable resin technology that is designed to meet the requirements of AAMA 2604 5 year weathering requirements. 10 years of proven in field service.

Advantages:

- High Performance Exterior Durability
- Darker jet black colors available, offering a wider range of color space
- In stock program
- Designer Color Offering for Window & Door

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.

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.

Testing: Due to the wide variety of substrates, surface preparation methods, application methods, and environments, the customer should test the complete system for

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): 1.50

Coverage at 1.0 Mil(ft²/lb): 128.5

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: 30-40
(ASTM D-523)

Direct Impact Resistance: Pass
(≥3mm) (No loss of Adhesion)

Acid Resistance No Effect
(ASTM D3260)
(Muriatic Acid 10%-15min)

Mortar Resistance-24 hr Easily Dislodged
(ASTM D3260)

Detergent Resistance No Effect
(ASTM D2248)
(3% Immersion @ 100°F-72 hrs)

Humidity Pass 3000 hours
(ASTM D-4585)

Salt Spray Pass 3000 hours
(ASTM B-117)

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).

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 Product Mod

31-Mar-2022



TECHNICAL INFORMATION

POWDURA™ 4000 HIGH PERFORMANCE ARCHITECTURAL POWDER COATING

PRODUCT DESCRIPTION

JAS3-V0002 4000 OVERCAST

POWDURA® 4000 Superdurable Polyester TGIC Powder Coatings are recommended for a broad range of architectural applications. They incorporate high performance pigments with The Superdurable resin technology that is designed to meet the requirements of AAMA 2604 5 year weathering requirements. 10 years of proven in field service.

Advantages:

- High Performance Exterior Durability
- Darker jet black colors available, offering a wider range of color space
- In stock program
- Designer Color Offering for Window & Door

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.

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.

Testing: Due to the wide variety of substrates, surface preparation methods, application methods, and environments, the customer should test the complete system for

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): 1.48

Coverage at 1.0 Mil(ft²/lb): 130.3

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: 30-40
(ASTM D-523)

Direct Impact Resistance: Pass
(≥3mm) (No loss of Adhesion)

Acid Resistance No Effect
(ASTM D3260)
(Muriatic Acid 10%-15min)

Mortar Resistance-24 hr Easily Dislodged
(ASTM D3260)

Detergent Resistance No Effect
(ASTM D2248)
(3% Immersion @ 100°F-72 hrs)

Humidity Pass 3000 hours
(ASTM D-4585)

Salt Spray Pass 3000 hours
(ASTM B-117)

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).

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.

05 00

Grove City Product Mod

31-Mar-2022



TECHNICAL INFORMATION

POWDURA® SUPERDURABLE POLYESTER TGIC POWDER COATING

PRODUCT DESCRIPTION

DHS2-80004

Sandstone

POWDURA® Superdurable Polyester TGIC Powder Coatings are designed to provide superior outdoor weathering capabilities compared to standard TGIC polyesters. This superdurable powder coating incorporates Solar Reflective pigments and is designed to meet the requirements of AAMA 2604.

Advantages:

- Excellent exterior color and gloss retention
- Excellent overbake resistance
- Good chemical resistance

Many applications, including:

Windows
Doors
Frames
Railings

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. 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

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
10 MIN @ 204C

Film Thickness Range(mils): 2.0-3.0

ATTRIBUTES

Specific Gravity(g/ml): 1.53

Coverage at 1.0 Mil(ft²/lb): 125.9

60° Gloss: 25-35
(ASTM D-523)

Adhesion: 5B
(ASTM D-3359)

Flexibility: Pass 1/8"
(ASTM D-522)

Pencil Hardness: H-2H
(ASTM D-3363)

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.

15 00

Grove City Powder R&D

21-Jan-2022



TECHNICAL INFORMATION

POWDURA™ 4000 HIGH PERFORMANCE ARCHITECTURAL POWDER COATING

PRODUCT DESCRIPTION

JHS3-V0002 4000 PALEO BONE

POWDURA® 4000 Superdurable Polyester TGIC Powder Coatings are recommended for a broad range of architectural applications. They incorporate high performance pigments with The Superdurable resin technology that is designed to meet the requirements of AAMA 2604 5 year weathering requirements. 10 years of proven in field service.

Advantages:

- High Performance Exterior Durability
- Darker jet black colors available, offering a wider range of color space
- In stock program
- Designer Color Offering for Window & Door

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.

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.

Testing: Due to the wide variety of substrates, surface preparation methods, application methods, and environments, the customer should test the complete system for

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): 1.49

Coverage at 1.0 Mil(ft²/lb): 129.9

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: 30-40
(ASTM D-523)

Direct Impact Resistance: Pass
(≥3mm) (No loss of Adhesion)

Acid Resistance No Effect
(ASTM D3260)
(Muriatic Acid 10%-15min)

Mortar Resistance-24 hr Easily Dislodged
(ASTM D3260)

Detergent Resistance No Effect
(ASTM D2248)
(3% Immersion @ 100°F-72 hrs)

Humidity Pass 3000 hours
(ASTM D-4585)

Salt Spray Pass 3000 hours
(ASTM B-117)

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).

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.

04 00

Grove City Product Mod

31-Mar-2022



TECHNICAL INFORMATION

POWDURA™ 4000 HIGH PERFORMANCE ARCHITECTURAL POWDER COATING

PRODUCT DESCRIPTION

JDS3-V0001 4000 FP BRONZE

POWDURA® 4000 Superdurable Polyester TGIC Powder Coatings are recommended for a broad range of architectural applications. They incorporate high performance pigments with The Superdurable resin technology that is designed to meet the requirements of AAMA 2604 5 year weathering requirements. 10 years of proven in field service.

Advantages:

- High Performance Exterior Durability
- Darker jet black colors available, offering a wider range of color space
- In stock program
- Designer Color Offering for Window & Door

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.

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.

Testing: Due to the wide variety of substrates, surface preparation methods, application methods, and environments, the customer should test the complete system for

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): 1.47

Coverage at 1.0 Mil(ft²/lb): 131.8

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: 30-40
(ASTM D-523)

Direct Impact Resistance: Pass
(≥3mm) (No loss of Adhesion)

Acid Resistance No Effect
(ASTM D3260)
(Muriatic Acid 10%-15min)

Mortar Resistance-24 hr Easily Dislodged
(ASTM D3260)

Detergent Resistance No Effect
(ASTM D2248)
(3% Immersion @ 100°F-72 hrs)

Humidity Pass 3000 hours
(ASTM D-4585)

Salt Spray Pass 3000 hours
(ASTM B-117)

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).

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 Product Mod

31-Mar-2022



TECHNICAL INFORMATION

POWDURA™ 4000 HIGH PERFORMANCE ARCHITECTURAL POWDER COATING

PRODUCT DESCRIPTION

JBS3-60005 SATIN BLACK

POWDURA® 4000 Superdurable Polyester TGIC Powder Coatings are recommended for a broad range of architectural applications. They incorporate high performance pigments with The Superdurable resin technology that is designed to meet the requirements of AAMA 2604 5 year weathering requirements. 10 years of proven in field service.

Advantages:

- High Performance Exterior Durability
- Darker jet black colors available, offering a wider range of color space
- In stock program
- Designer Color Offering for Window & Door

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.

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.

Testing: Due to the wide variety of substrates, surface preparation methods, application methods, and environments, the customer should test the complete system for

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): 1.41

Coverage at 1.0 Mil(ft²/lb): 136.6

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: 30-45
(ASTM D-523)

Adhesion: 5B
(ASTM D-3359)

Direct Impact Resistance: Pass
(≥3mm) (No loss of Adhesion)

Acid Resistance No Effect
(ASTM D3260)
(Muriatic Acid 10%-15min)

Mortar Resistance-24 hr Easily Dislodged
(ASTM D3260)

Detergent Resistance No Effect
(ASTM D2248)
(3% Immersion @ 100°F-72 hrs)

Humidity Pass 3000 hours
(ASTM D-4585)

Salt Spray Pass 3000 hours
(ASTM B-117)

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).

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.

05 00

Grove City Product Mod

31-Mar-2022



SHERWIN-WILLIAMS.
Chemical Coatings

TECHNICAL INFORMATION
POWDURA® 4000 SUPERDURABLE POWDER COATINGS

PRODUCT DESCRIPTION

DGS280001

Forest Green

POWDURA® 4000 Superdurable Polyester Powder Coating is recommended for a broad range of architectural applications. It is designed to meet the requirements of AAMA 2604.

APPLICATION

Cure Schedule: 10 min. at 400°F

Film Thickness Range: 1.8 – 3.0 mils

ATTRIBUTES

60° Gloss: 25-35

Pencil Hardness H min.

Specific Gravity: 1.58 g/cm³

Coverage at 1.0 Mil 121.93 sq. ft./ lb.

Storage:

Powdura® Polyester Powder Coatings should be kept in a dry and cool area at temperatures below 80°F (27°C). Shelf life is approximately 12 months. When not in use, store powder in sealed containers: fine powders are hygroscopic.

General: 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 required for good adhesion and optimum coating performance properties.

Testing: Due to the wide variety of substrates, surface preparation methods, application methods, and environments, the customer should test the complete system for adhesion and compatibility prior to full-scale application. The properties listed are typical and should not be construed as the actual specification.

Product Limitations:

- Contact your Sherwin-Williams Representative where use of this product at higher than recommended film thickness may be required.

APPLICATION

Powder coatings must be applied using suitable electrostatic equipment. Consult your Sherwin-Williams Representative regarding unique applications.

CAUTIONS

Thoroughly review product label for safety and cautions prior to using this product. Please direct any questions or comments to your local Sherwin-Williams facility.

CAUTION! Causes eye irritation, causes skin irritation, may cause allergic skin reaction, respiratory irritant, dust may cause eye and respiratory irritation, dust may form an explosive mixture in air. Avoid breathing dust. Avoid contact with eyes and prolonged or repeated contact with skin. Use protective clothing and NIOSH approved respirator. Do not use near sparks or open flame or any type of ignition source. Wash thoroughly after handling. Use only with adequate ventilation.

FIRST AID:

If on SKIN: Wash thoroughly with soap and water.

If in EYES: Flush with water immediately and procure medical attention. The area adjacent to the coating operation should be properly ventilated. Cure ovens must be exhausted to the outside atmosphere. All dusts are respiratory irritants, inhalation of the dust should be avoided. To avoid static electricity build-up, properly ground all equipment. Provide dust collection equipment with adequate explosion venting; dust clouds of any finely divided organic material can be ignited by open flame or electrical sparks.

DO NOT TAKE INTERNALLY.

KEEP OUT OF REACH OF CHILDREN.

FOR INDUSTRIAL USE ONLY.

REFER TO MATERIAL SAFETY DATA SHEET 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.

Arlington, TX
October 1, 2009



*This high performance product was designed and manufactured taking steps to reduce environmental impact and to meet or exceed the most stringent regulatory requirements. To learn more, visit swgreensure.com.



TECHNICAL INFORMATION

POWDURA™ 4000 HIGH PERFORMANCE ARCHITECTURAL POWDER COATING

PRODUCT DESCRIPTION

JRS3-V0002 4000 REVOLUTIONARY

POWDURA® 4000 Superdurable Polyester TGIC Powder Coatings are recommended for a broad range of architectural applications. They incorporate high performance pigments with The Superdurable resin technology that is designed to meet the requirements of AAMA 2604 5 year weathering requirements. 10 years of proven in field service.

Advantages:

- High Performance Exterior Durability
- Darker jet black colors available, offering a wider range of color space
- In stock program
- Designer Color Offering for Window & Door

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.

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.

Testing: Due to the wide variety of substrates, surface preparation methods, application methods, and environments, the customer should test the complete system for

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): 1.48

Coverage at 1.0 Mil(ft²/lb): 130.7

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: 30-40
(ASTM D-523)

Direct Impact Resistance: Pass
(≥3mm) (No loss of Adhesion)

Acid Resistance No Effect
(ASTM D3260)
(Muriatic Acid 10%-15min)

Mortar Resistance-24 hr Easily Dislodged
(ASTM D3260)

Detergent Resistance No Effect
(ASTM D2248)
(3% Immersion @ 100°F-72 hrs)

Humidity Pass 3000 hours
(ASTM D-4585)

Salt Spray Pass 3000 hours
(ASTM B-117)

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).

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.

03 00

Grove City Product Mod

31-Mar-2022