



TECHNICAL INFORMATION

POWDURA® HIGH HEAT POWDER COATING

PRODUCT DESCRIPTION

SBT2-80006

HIGH HEAT BLK TEXTURE

POWDURA® High Heat Powder Coatings

are thermosetting siloxane based powder coatings designed to withstand exposure to prolonged elevated temperatures. These products produce a low gloss fine textured finish suitable for use on barbecue grills, stoves, furnaces and other items that may be exposed to prolonged elevated temperature.

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 and any contamination. Surface preparation with light grit blasting is recommended to ensure optimum adhesion. This product has good adhesion to aluminum and zinc phosphate conversion coatings. The use of iron phosphate conversion coatings is not recommended as they will break down upon exposure to elevated temperatures, resulting in loss of adhesion.

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: 20-30 minutes at 450F

Film Thickness Range(mils): 1.5-2.5

ATTRIBUTES

Specific Gravity(g/ml): 1.63

Coverage at 1.0 Mil(ft²/lb): 118.6

60° Gloss: 2-8
(ASTM D-523)

Adhesion: 4B- 5B
(ASTM D-3359)

Flexibility: Pass 1/4"
(ASTM D-522)

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

Impact Resistance(in.lb): Dir 20 in-lbs
(ASTM D-2794) Rev 20 in-lbs

Shelf Life: 6 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

Heat Resistance:

This product has been tested on shot blasted steel 240 hrs. at 800 F and maintains 4B-5B adhesion. It is recommended for continuous service temperatures up to 800F with short term spikes to 1000F.

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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