POWDURA® Polyester TGIC Powder Coating is recommended for a broad range of interior/exterior functional and decorative applications.

**APPLICATION**

- **Cure Schedule:** 20 min. at 375°F
- **Film Thickness Range:** 2.0-3.0 mils

**ATTRIBUTES**

- **Specific Gravity:** 1.25 +/- 0.05
- **Coverage at 1.0 Mil:** 153.8 sq. ft./lb.
- **60° Gloss:** 90+ (ASTM D-523)
- **Adhesion:** 5B (ASTM D-3359)
- **Flexibility:** Pass 1/4 " Mandrel Bend (ASTM D-522)
- **Pencil Hardness:** H-2H (ASTM D-3363)
- **Impact Resistance:** 100 in-lbs direct (ASTM D-2794) 80 in-lb reverse

**Typical Environmental Properties:**

- **On Bonderite 1000™ Panels**
  - **Salt Fog** 1000 hours (ASTM B-117)
  - **Humidity** 1000 hours (ASTM D-4585)

**Storage:** Powdura® 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.

**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.

For aluminum a minimum of a 5-stage chrome phosphate metal treatment, or equivalent, is required for good adhesion and optimum coating performance properties.

Consult Metal Preparation Brochure CC-T1 for additional details.

**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.

**APPLICATION**

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

**Product Limitations:**

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

**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 respiratory irritant, dust may cause eye 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.