



Product Finishes

TECHNICAL INFORMATION

POWDURA® SUPER DURABLE POLYESTER TGIC POWDER COATING

DYS8-20008 CAT YELLOW DYS8-20D01(UL)

DYS8-20008 is a high gloss polyester. It provides very good corrosion protection, chemical resistance, excellent outdoor durability, and overall good physical properties.

It is designed to meet all the requirements of Caterpillar specification 1E1952H and the guidelines of UL 1332. Please confirm formal approvals listed in the advantages section below.

Advantages:

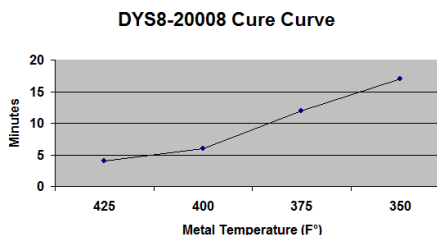
- **Approved to Caterpillar 1E1950A.
- **Must be applied over a 1E1850 approved powder or E-coat Primer.
- ** (To verify CAT approval refer to the active (to verify CAT approval refer to the active 1E1850 specification).
- DYS8-20008 is UL 1332 approved and the DYS8-20D01 designates this approval.
- Application characteristics allow film builds to meet 1E2001 requirements
- Excellent hardness, impact, and abrasion resistance.

CHARACTERISTICS

20° Gloss 80+
(ASTM D-523)

60° Gloss 90+
(ASTM D-523)

Cure Schedule 10 min @ 400 °F



Film Thickness Range 2.9-3.5 mils

Specific Gravity 1.38 ± .05

Spreading Rate (no application loss)
0.70 m²/kg/mm DFT

Overbake Properties 100% time

Orange Peel
PCI Standards

Air Quality Data:
Non-photochemically reactive

APPLICATION

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

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.

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.

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

7-8

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.

Rockford, Illinois
March 28, 2014

*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.