



POWDER COATING

Technical Data Sheet

Highlights

PPG ERGOLUXE™ powder coatings bring together 2 important aspects of finishes for the furniture market: ergonomics and luxury. These powder coatings provide styling and sustainability benefits over traditional liquid or solvent-based coatings for seating solutions, desks, cabinets and more.

This extensive line of powder coatings are designed to protect and beautify office furniture and are available in a range of standard or custom colors, textures and bonded metallics. They are formulated to deliver robust performance properties including excellent hardness, scratch resistance, flexibility and stain resistance.

- Available in a wide range of colors and glosses
- Good chemical resistance

TEST CONDITIONS

Property	Test method	Value
Substrate		Pretreated steel panels
Recommended Thickness	ASTM D 7091	2.4 - 2.8 mils
Curing Conditions	Metal Temperature	20 min @ 350 °F

Impact Resistance and Conical Mandrel were determined at 2.4 mils.

PRODUCT PROPERTIES

Property	Test method	Value
Appearance	Visual Inspection	Smooth
Gloss 60°	ASTM D 523	35 - 45
Adhesion	ASTM D 3359	100% (5B Pass)
Hardness	ASTM D 3363	4H Pencil (Eagle)
Impact - Direct	ASTM D 2794	60 in-lbs
Conical Mandrel	ASTM D 522	1/4" Mandrel
Specific gravity	Calculated	1.46 ± .05
Theoretical coverage	Calculated	132 ft²/lbs at 1.0 mil 27 m²/kg at 25 µm





POWDER COATING

Technical Data Sheet

STORAGE STABILITY

24 months at 80 °F maximum

Materials need to be stored in sealed plastic bags under dry and cool conditions. Do not expose to sunlight.

PPG 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.

SUBSTRATE PREPARATION

Surface preparation should be chosen according to the type of substrate and required performance.

The coater should test the suitability of the surface preparation before the application using appropriate test methods.

APPLICATION RECOMMENDATIONS

Electrostatic Spray

Coating can be applied with automatic and manual devices.

Substrate should be correctly cleaned before use.

Do not mix this product with other powder coatings.

Color and finish influenced by film thickness: a good control of the film thickness will help the consistency of the aspect.

HEALTH AND SAFETY

For comprehensive Health, Safety, and Environmental advice, please refer to the relevant Safety Data Sheets, and information printed on the product label.

* Statements and methods described herein are based upon the best information and practices known to PPG Industries, Inc. ("PPG"). Any statements or methods mentioned herein are general suggestions only and are not to be construed as representations or warranties as to safety, performance, or results. Since the suitability and performance of the product is highly dependent on the product user's processes, operations, and numerous other user-determined conditions, the user is solely responsible for, and assumes all responsibility, risk and liability arising from, the determination of whether the product is suitable for the user's purposes, including without limitation substrate, application process, pasteurization and/or processing, and end use. No testing, suggestions or data offered by PPG to the user shall relieve the user of this responsibility. PPG does not warrant freedom from patent infringement in the use of any formula or process set forth herein. Continuous improvements in coatings technology may cause future technical data to vary from what is in this bulletin. Contact your PPG representative for the most up to date information.

www.ppg.com & www.ppgindustrialcoatings.com & powder@ppg.com