



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
- For interior use only
- Good adhesion
- Good chemical resistance
- Good hardness
- PTFE-NIA Textures

PRODUCT CHARACTERISTICS

First-pass transfer efficiency rates up to 85%
Excellent batch to batch consistency

TEST CONDITIONS

Property	Test method	Value
Substrate		Pretreated steel panels
Recommended Thickness	ASTM D 7091	1.8 - 2.2 mils
Curing Conditions	Metal Temperature	20 min @ 350 °F

Impact Resistance and Conical Mandrel were determined at 2.0 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	2H Pencil (Eagle)
Impact - Direct	ASTM D 2794	60 in-lbs
Impact - Reverse	ASTM D 2794	20 in-lbs
Conical Mandrel	ASTM D 522	1/8" Mandrel
Specific gravity	Calculated	1.58 ± .05
Theoretical coverage	Calculated	122 ft ² /lbs at 1.0 mil 24.9 m ² /kg at 25 μm





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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.

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