



## 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       | 2.0 - 3.0 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        | 27 - 37   |
| Adhesion             | ASTM D 3359       | 100% (5B Pass)  |
| Hardness             | ASTM D 3363       | 2H Pencil (Eagle)   |
| Impact - Direct      | ASTM D 2794       | 60 in-lbs   |
| Conical Mandrel      | ASTM D 522        | 1/8" Mandrel  |
| Specific gravity     | Calculated        | 1.54 ± .05  |
| Theoretical coverage | Calculated        | 125 ft <sup>2</sup> /lbs at 1.0 mil<br>25.6 m <sup>2</sup> /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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