Acrylic-Modified Alkyd Enamel Topcoat
Heavy-duty surface protection from a single-component, fast-drying enamel

SPECTRACRON® 100 Series topcoat enamels provide excellent film hardness, quick dry times, and a wide balance of performance properties that generate powerful surface protection. With improved color and gloss retention over standard alkyd enamels, Spectracron 100 Series coatings create strong exterior performance from single-component technology.

Cross-trained in a multitude of technologies, our specialists will work with your operation to find the ideal protection for your system.

### Exterior-grade performance
- Fast-drying formulation makes the product dry to touch in 30 minutes
- Acrylic modification improves exterior performance over standard alkyds
- Excellent flow and leveling characteristics
- Robust film hardness

### Manufacturing versatility
- Can be applied directly to hot-rolled steel, cold-rolled steel, or aluminum
- Compatible over pretreated and primed surfaces
- Production speed dry times for increased throughput
- Can be catalyzed for enhanced performance properties, including depth of image, color and gloss retention, and chemical and abrasion resistance
- Can be applied by aerosol
- Quick-turn custom color matching in a wide range of colors and gloss levels
- Strong adhesion to aluminum and steel surfaces
- Compatible with HVLP and conventional spray equipment

### Segments
- Agricultural equipment
- Fabricated metal
- Furniture
- Heavy-duty and construction equipment
- Industrial equipment
- Material handling
- Structural steel
- Telecommunications
Performance properties

All testing was performed on iron-phosphate pretreated cold-rolled steel panels with an appropriate primer and a Spectracron 100 Series topcoat unless otherwise noted.

<table>
<thead>
<tr>
<th>Property</th>
<th>Method</th>
<th>Result</th>
</tr>
</thead>
<tbody>
<tr>
<td>Color</td>
<td>Custom colors</td>
<td></td>
</tr>
<tr>
<td>Gloss @ 60˚ Angle</td>
<td>ASTM D523</td>
<td>20 – 90</td>
</tr>
<tr>
<td>VOC</td>
<td></td>
<td>5.0 lbs./gal (600 g/L)</td>
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<tr>
<td>Pencil Hardness</td>
<td>ASTM D3363</td>
<td>HB – H</td>
</tr>
<tr>
<td>Conical Mandrel Bend (1/8&quot;)</td>
<td>ASTM D522</td>
<td>Pass, 180°</td>
</tr>
<tr>
<td>Adhesion</td>
<td>ASTM D3359</td>
<td>5B – Excellent</td>
</tr>
<tr>
<td>Humidity Resistance – 100 Hours</td>
<td>ASTM D2247</td>
<td>Good</td>
</tr>
<tr>
<td>Salt Spray Resistance – 200 Hours</td>
<td>ASTM B117</td>
<td>Good</td>
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<tr>
<td>Chemical Resistance</td>
<td></td>
<td>Good</td>
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<tr>
<td>Recommended Substrates</td>
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<td>Cold-rolled steel, hot-rolled steel, aluminum</td>
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<tr>
<td>Suggested Primers</td>
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<td>Spectracron: 111, 135, 501</td>
</tr>
</tbody>
</table>
Featured primers

The following market-proven primer solutions will create a strong, first layer of corrosion resistance and establish tough, inter-coat adhesion to Spectracron 100 Series acrylic-modified alkyd enamel topcoat.

Alkyds

**Spectracron 111**

Spectracron 111 alkyd is an extremely fast drying, single-component primer engineered to provide an extra layer of protection that promotes adhesion and inhibits rust. Offered in custom colors, we've designed Spectracron 111 primer to improve manufacturing efficiencies by increasing production throughput and color consistency.

**Spectracron 135**

Spectracron 135 low-VOC primer is designed with rust inhibitors that help achieve strong performance and excellent corrosion resistance. This single-component, high-solids and quick-drying primer is compatible with a wide variety of topcoats and can be formulated in custom colors, offering flexibility and ensuring operational efficiencies.

High-Build Epoxy

**Spectracron 501**

Protecting against rust and corrosion, this single-component, high-solids epoxy-ester improves performance over standard alkyd primers. With strong filling properties, Spectracron 501 primer can also be utilized for high-build applications without moving to a two-component primer system.

What our customers are saying about Spectracron 100 Series products

**Compass Systems**

Barberton, OH

“Our partnership with PPG began when we were looking for a paint that would allow us to pack and ship parts quicker than what we were using. We decided to give PPG a try on a small job to see how the paint would perform and we’ve been using their products ever since. We set our expectations high. PPG carries a strong brand with them, and our customers know this, so we expect the finish to be automotive-quality.”

Ed Stevenson
Purchasing Manager

Compass Systems engineers, manufactures, and installs pneumatic material-handling systems across a broad spectrum of industries ranging from pulp and paper manufacturers to leading automotive manufacturers.

**Master Manufacturing, Inc.**

Mississauga, Ontario

“Color consistency is important to me, and that is one thing I haven’t had to worry about since switching to PPG. I have never had an issue with getting what I need when I need it. I have also found the ability to provide quick color matches to my customers to be very helpful.”

Pradeep Saxena
President and CEO

Wielding 25 years of experience, Master Manufacturing, Inc. specializes in design and fabrication of racks, vinyl pouches, and steel carts and bins for the automotive industry.