



Alesta® LE

Low Energy Powder Coatings



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Alesta® LE powder coatings use lower bake temperatures and/or shorter cure cycles to reduce energy consumption by up to 25%* compared to conventional polyester powder coatings.

These polyester, thermoset powder coatings deliver a smooth finish with good performance and weatherability. They are ideal for the mass production of heat sensitive parts or when faster line speeds and lower bake capabilities are desired.

***A 25% reduction in BTU's can be realized by switching from powder coatings with typical cure parameters to Alesta® LE.**

Features and benefits:

- Increase line speeds by up to 60%
- Ideal for heavy mass parts since less energy is needed to cure
- Safer part-handling - parts are 75°F to 100°F cooler than normal
- PCI smoothness of 7-8 can be attained
- Does not require expedited freight or shipping by reefer
- Gloss as low as 40 units

Ideal Applications:

Playground equipment, electrical cabinets, lawn mowers, garden implements, outdoor furniture, LP storage tanks, castings, scuba diving tanks, ornamental iron railings, air conditioner, Grills

Stock Products

Alesta LE products can be ordered in any color and gloss ranges (70+ units) and a variety of textures

Product Code	Product Name
PLW611S9	Sky White LE
PLG606S9	Evergreen LE
PLB604S7	Angel Black LE
PLR602S9	Red Baron LE III

Physical Properties

Impact:	80 to 160 in/lb
Flexibility:	1/4 to 1/8 inch
Hardness:	F to H
Cross Hatch Adhesion:	5B
Dry Film Thickness:	2.0 mil / 38.1 μ to 3.0 mil / 76.2 μ
Gloss at 60°:	70+

LE Cure Schedule

- 10 Minutes @ 300°F substrate temperature (lower specific gravity products)
- 15 Minutes @ 325°F substrate temperature (higher specific gravity products)

Contact Axalta Coating Systems- Powder NA Customer Service for more information or to place an order.

In the U.S., call 1-800-247-3886 or e-mail weborders.powder@axaltacs.com.

In Canada, call 1-888-447-2598 or e-mail powder.info@axaltacs.com



www.axalta.us/powder

