



# Alesta® ULB

## Ultra Low Bake Powder Coatings



# Alesta®

## Ultra low bake powder coatings

**For heat-sensitive substrates; seamless and economical.**

### The process begins with the coating

Axalta Coating Systems, a global leader in powder coating technology, has developed Alesta® ultra low bake powders specifically for heat-sensitive substrates. These powder coatings can be cured in conventional ovens at temperatures as low as 260°F, in single or dual coat processes.

These chemical resistant coatings are available in a variety of finishes and colors; textured, smooth and specialty finishes, which are excellent for coating medium density fiberboard (MDF).

### Benefits of Alesta® ULB technology:

- Environmentally friendly finishes;
  - No solvent emissions
  - Virtually VOC, lead, and heavy metal free
  - RoHS compliant
- Up to 98% product utilization
- Long lasting durable finishes
- Design friendly, seamless edges that will not delaminate
- Endless color selection with a variety of appearances
- Antimicrobial properties can also be incorporated upon request, to inhibit the spread of bacteria



PROPERTY	TEST METHOD	RESULTS
Gloss (60°)	ASTM D523-89	5-70 units (smooth finish) and visual (textures)
Pencil Hardness	ASTM D3363-92a	2H - Scratch, 6H - Gouge
Adhesion, Cross Hatch	ASTM D3359-97	5B
Shrinkage & Heat Resistance	KCMA 9.1	No appreciable change in color, gloss, or film failures
Hot and Cold Check Resistance	KCMA 9.2	Pass 5 cycles with no cracks
Chemical Resistance	KCMA 9.3	No effect under vinegar, lemon juice, orange juice, grape juice, tomato juice, ketchup, coffee, olive oil, 100% proof alcohol, and 1% detergent solution
Humidity Test	ASTM D2247-02	No change after 2000 hours
UV Resistance	*Xenon Arc	No appreciable change in color or gloss after 100 hours
Abrasion Resistance, Taber	ASTM D4060, CS10 Wheels, 1000 gram load	Less than 115 MG after 500 cycles
Solvent Resistance	MEK 50 Double Rubs	Slight dulling
Film Thickness		4-6 mils

\*Haworth ES-1265

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](mailto:weborders.powder@axaltacs.com).

In Canada, call 1-888-447-2598 or e-mail [powder.info@axaltacs.com](mailto:powder.info@axaltacs.com)



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**AXALTA COATING SYSTEMS**