



# Alesta® RaIGuard™ HAA

Antimicrobial Additive

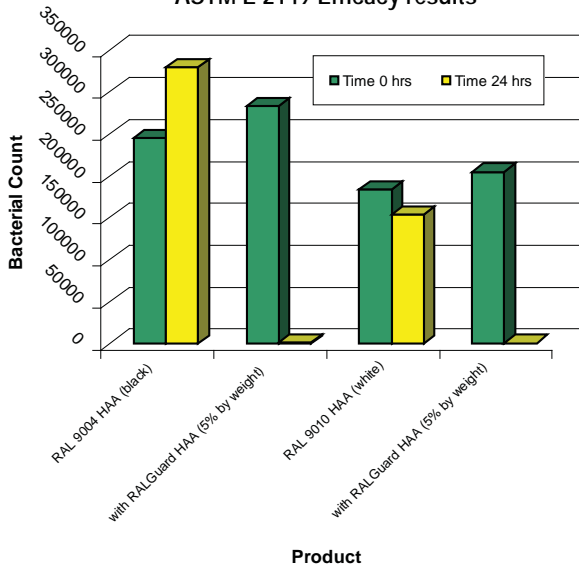


# Alesta® RALGuard™ HAA Antimicrobial Additive

Mix Ratio Table

RAL HAA Powder	5% RALGuard HAA		
	lb.	g.	oz.
25 lb.	1.25	567	20
50 lb.	2.5	1,134	40
100 lb.	5	2,268	80

ASTM E 2149 Efficacy results



Efficacy results can vary depending on the method of incorporation and actual application procedures. For maximum efficacy, we recommend Alesta AM products, which are bonded.

Contact Customer Service  
for more information or to place an order.

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

In Canada, call 1-877-887-0880 or e-mail  
powder.info@axaltacs.com

[www.axalta.us/powder](http://www.axalta.us/powder)

**Alesta®**  
Powder Coatings

Alesta® RALGuard™HAA XX1006 is a patented\* antimicrobial additive designed to inhibit the growth and transmission of harmful microbes on powder coated surfaces. Simply add 5% RALGuard™HAA additive to any Alesta® RAL HAA powder coating to incorporate antimicrobial properties.

\*Patents US6093407(A), US643241(B1)

## Key features and benefits:

- Compatible with all Alesta® RAL HAA powder coatings.
- Represents an alternative to custom-formulated antimicrobial powders.
- Can be 40% less expensive than a minimum 400 lb., custom-formulated antimicrobial powder.
- Conveniently packaged in 5 lb. and 25 lb. boxes.

## Directions for Use:

- We strongly recommend the use of proper personal protection equipment (PPE) as stated in the MSDS. Note: When mixed with other products, the resulting mixture will contain the hazards of all components.
- Make sure all equipment is clean and in good working condition.
- Add Alesta® RAL HAA product to a clean fluidized hopper (no box feeders) and start fluidizing powder. For optimum efficacy, refer to Mix Ratio Table for proper ratios of RALGuard™ HAA additive. It is recommended you allow the mixture to fluidize for at least 10 minutes before application. According to strict guidelines issued by the EPA, it is unlawful to exceed 25% of RALGuard™ HAA additive.
- Thoroughly mix the Alesta® RAL HAA powder and RALGuard™ HAA additive before coating parts.
- Alesta® RAL HAA products mixed with RALGuard™ HAA should not be reclaimed.
- For more information consult Alesta AM Technical Brief and RALGuard FAQ

## Important notes:

- Only use with Alesta® RAL HAAs. Do not use with other powder coatings.
- Not FDA compliant (should not be used for food preparation areas).
- Antimicrobial protection is limited to the treated article and does not protect against disease causing bacteria. The use of these products does not diminish the importance of good hygienic practices.
- Alesta® RAL HAA products mixed with RAL HAAGuard™ additive will retain their initial color and physical properties if the directions for use are followed. Slight discoloration might occur in light colors over time.
- Loss of gloss, hazing and pinholes might appear in the final finish if the amount of RALGuard™HAA additive exceeds the recommended mix ratio. However, the efficacy will be unaffected.
- The EPA has strict guidelines concerning the promotion of antimicrobial coatings. Promotions can communicate that these coatings contain an antimicrobial additive that inhibits the growth and transmission of harmful microbes. However, you cannot make any specific health claims or statements that ensure the public's health and safety in any way without obtaining your own registration through the EPA.
- Slight yellowing may occur in white colors (Delta E<1).

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