

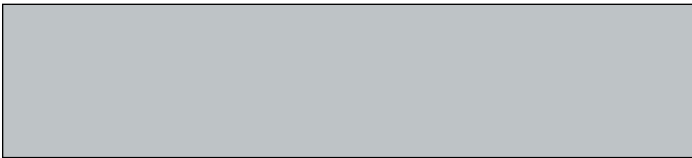
# METALAIRE™

## GRD COLOR FINISH OPTIONS

**01 - White<sup>1</sup>**



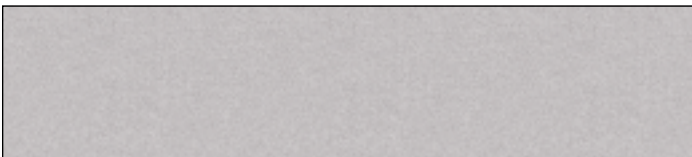
**02 - Satin Silver**



**03 - Black**



**04 - Clear Anodized<sup>2</sup>**



**28 - Custom Color**



**24 - Mill Finish**



### Notes about Finishes:

- METALAIRE offers White finish, as well as Mill finish (untreated raw material), as standard options for most products.
- Not all finish options are available for all METALAIRE products. Please check availability in our software, our website or our catalog.
- This color chart is only a visual guide of various color options. Actual colors might differ in real life due to varying light conditions and other factors. For color samples, please request a physical color chip from your local METALAIRE Representative.
- METALAIRE can match any custom color, but it requires an RAL number for the exact color information, or a physical paint sample to match.
- <sup>1</sup>White Finish is suitable for a primer coat if field painting is required. If used as a primer coat, please lightly sand before applying additional paint.
- <sup>2</sup>A clear anodized finish is an option only on aluminum products.

# METALAIRE™

## GRD COLOR FINISH PROCESS

**METALAIRE's** standard finish offerings incorporate an advanced electrodeposition process combined with a highly efficient pre-treatment surface cleaning. The pretreatment stage consists of using a pressurized spray cleaner with a de-ionized water rinse to ensure a flawless surface for paint adhesion. After thoroughly cleaning each product, they are given an electric charge and fully submerged into our paint tank.

The paint tank contains electrically charged paint with an opposite electrical charge. So when the product is submerged, the paint is electrically attracted to the metal surface. This results in a perfect finish which covers the entire product. Once the product is fully coated, it is baked in an oven at 320°F for 20 minutes. This cures the paint and creates cross links between the polymer molecules, resulting in a tougher and more durable surface. Products coated using our process achieve a film thickness of 0.8-1.0 mils.

METALAIRE's Paint Process has a Pencil Hardness of HB-H, a direct impact rating of 100 in.lbs. and a reverse impact rating of 60 in.lbs. Our paint finish has undergone humidity testing under ASTM D1735-92 and passed with a test duration of 500 hours. It has also passed a 250 hour water soak test under ASTM D870-92.



*Diffusers being submerged in paint tank.*



*Diffusers exiting paint tank with white finish.*

PROPERTY	TEST METHOD	PERFORMANCE
Film Thickness		0.8-1.0 mils
Film Cure		320F @ 20 min
Gloss - 60 Deg.	ASTM D523-89	70-80%
Pencil Hardness	ASTM D3363-92A	HB-H
Crosshatch Adhesion	ASTM D3359-95	4B-5B
Direct Impact	ASTM D2794-93	100 in.lbs. Min
Reverse Impact	ASTM D2794-93	60 in.lbs. Min
Salt Spray	ASTM B117-95	48-96 Hours
Humidity	ASTM D1735-92	500 Hours
Water Soak	ASTM D870-92	250 Hours