

# Standard Finish Color Guide

## Kynar 500,<sup>®</sup> Powder Coat, Baked Enamel & Anodized

**VELUX<sup>®</sup>**

**Commercial**

A variety of architectural paint color options in Kynar 500, baked enamel, and powder coat, as well as various anodized coatings.

### Kynar 500

70% PVDF (Kynar 500<sup>®</sup>) resin-based coatings offer the ultimate protection in building performance. These finishes exhibit outstanding resistance to humidity, color change, chalk, gloss loss and chemicals. These sustainable coatings will ensure a long-lasting, durable finish. No other coating system can withstand the rigors of nature and time like those based on the Kynar 500 resin. 70% PVDF resin-based coatings include standard color two-coat systems, consisting of a primer and color coat.

### Powder Coat

Powder coating is a high-quality finish found on thousands of products. It provides a more durable finish than liquid paints can offer, while still providing an attractive finish. Powder coated products are more resistant to diminished coating quality as a result of impact, moisture, chemicals, ultraviolet light, and other extreme weather conditions. In turn, this reduces the risk of scratches, chipping, abrasions, corrosion, fading, and other wear issues.

### Baked Enamel

Baked enamel coatings are harder than PVDF coatings and are often used for interior application where color retention, chalk, fade and weatherability is not required. Baked enamels are generally a one-coat system as no primer is required. In this process the color coat is applied directly to the aluminum.

### Anodized

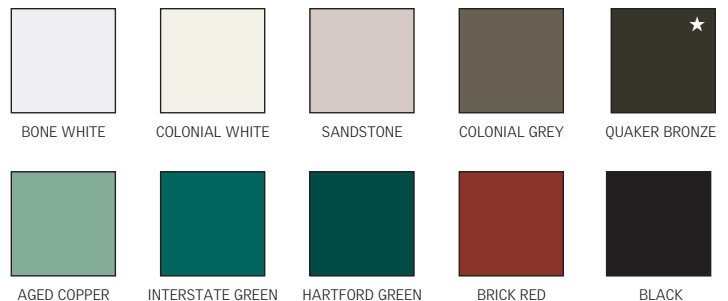
Anodizing is the process of electrochemically controlling, accelerating and enhancing oxidation of an aluminum substrate. The anodizing process, because it is an integral part of the substrate, produces an oxide film that is uniform, hard and protects the rest of the aluminum substrate from deterioration providing excellent wear and abrasion resistance with minimal maintenance in most environments.

The coating produced is extremely durable, and the hardness of the surface is comparable to a sapphire—the second hardest substance on earth. This characteristic makes anodize an excellent choice for use in high-traffic areas where resistance properties are important.

Anodized aluminum resists the ravages of time, temperature, corrosion, humidity and warping, adding to its long life cycle. Anodized aluminum is an inert material that is not combustible, 100% recyclable and poses no health risks.



### Kynar 500 • Baked Enamel • Powder Coat



### Anodized



The colors shown are not exact and are intended for specification purposes. Upon request, Wasco, will supply an actual color chip or chips of the colors you have specified.

★ Standard finish for SkyMax unit skylights.

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## Strengths & Limitations

	STRENGTHS	LIMITATIONS
<b>Kynar 500</b>	<ul style="list-style-type: none"> <li>• Color Retention (UV resistance)</li> <li>• Salt-spray resistance</li> <li>• Vast array of color choices</li> <li>• Paint protects and maintains the structural integrity of the aluminum</li> <li>• Field touch-up / repainting capabilities</li> <li>• Small-batch and custom color capabilities - fast and cost effective</li> </ul>	<ul style="list-style-type: none"> <li>• Fair hardness</li> <li>• Cost of high-performance products</li> <li>• Potential for inconsistent appearance of "metallic" paints</li> <li>• Solvent based paints are not environmentally friendly without an oxidizer</li> </ul>
<b>Powder Coat</b>	<ul style="list-style-type: none"> <li>• Environmentally friendly</li> <li>• Hardness and abrasion resistance</li> <li>• Vast array of color gloss and texture options</li> <li>• Paint protects and maintains the structural integrity of the aluminum</li> </ul>	<ul style="list-style-type: none"> <li>• Warranty - generally more limited and restrictive than liquid Kynar</li> <li>• Metallic Coating - cannot hold as much metallic flake content</li> <li>• Touch-up and field repair</li> <li>• Small custom color jobs are not cost effective due to minimum batch size</li> <li>• No in-house blending of powder coat. Longer lead time for samples and color matching</li> </ul>
<b>Baked Enamel</b>	<ul style="list-style-type: none"> <li>• Coatings are harder than Kynar coatings</li> <li>• For interior application where color retention, chalk, fade and weatherability is not required</li> <li>• Vast array of color choices</li> <li>• Paint protects and maintains the structural integrity of the aluminum</li> <li>• Field touch-up / repainting capabilities</li> </ul>	<ul style="list-style-type: none"> <li>• Offers a lower level of protection</li> <li>• Solvent based paints are not environmentally friendly without an oxidizer</li> </ul>
<b>Anodized</b>	<ul style="list-style-type: none"> <li>• Color stability</li> <li>• Hardness, compared to a sapphire</li> <li>• Durability, abrasion resistance</li> <li>• Anodize protects and maintains the structural integrity of the aluminum</li> <li>• Ease of maintenance</li> </ul>	<ul style="list-style-type: none"> <li>• Limited color choices</li> <li>• Difficult touch up</li> <li>• Color may vary depending on alloy &amp; trace elements in aluminum</li> <li>• Surface imperfections of the aluminum may show through the anodize</li> </ul>

## AAMA Compliant

	KYNAR 500 & POWDER COAT	BAKED ENAMEL	ANODIZED
AAMA Specification	2605	2603	611 - Class I
<b>South Florida Weathering</b>			
Color retention	10 yrs: Fade = 5 Delta E	1 year: "slight" fade	10 yrs: Fade = 5 Delta E
Chalk resistance	10 yrs: Chalk = 8	1 year: "slight" chalk	N/A
Gloss retention	10 yrs: 50% retention	No specification	15 unit variation
Erosion resistance	10 yrs: 10% loss	No specification	No specification
<b>Dry film thickness</b>	1.2 mils minimum	0.8 mils minimum	0.7 mils minimum
<b>Pretreatment System</b>	Chrome or Chrome Free	Chrome or Chrome Free	No specification
<b>Accelerated Testing</b>			
Salt Spray	4,000 hours	1,500 hours	3,000 hours
Humidity	4,000 hours	1,500 hours	No specification