

Standard Architectural Finishes

The Composite panels are protected and coloured with enhanced, high-performance Colorweld® 500 coatings – ensuring consistent colour matching between products. These finishes feature 70% Kynar 500® / Hylar 5000® polyvinylidene fluoride (PVDF) resins with Fluoropolymer technology, coil coated to ensure the highest colour uniformity and quality. They provide excellent flexibility and film adhesion for forming and offer superior resistance to humidity, impact, salt spray, pollution and abrasion. With a 30-year finish warranty, Colorweld® 500 coatings exhibit outstanding colour and gloss retention and improved hardness and durability, and they are considered the premier architectural coatings for metal.

Colorweld® 500

SERIES ONE

Standard Finishes. All colours are stocked in 62" (1519mm)-wide coil. Ask about availability in 50" (1225mm)-wide coil. Call for availability of matching colours in 0.040" x 48" widths (.98mm x 1176mm) Other gauges and widths available upon request with minimum quantities and charges. For other industry standard "non-stocking" colours, check for availability.



* Environment-friendly cool-pigment finish.

Standard Architectural Finishes

Property	Test Method	Opaque	Mica	Metallic
Specular Gloss (60%)	ASTM D523	25-35	25-35	25-35
Pencil Hardness	ASTM D3363	F-2H	F-2H	F-2H
Formability (T-Bend)	ASTM D4145	0-2T-No Cracking	0-2T-No Cracking	0-2T-No Cracking
Reverse Impact	ASTM D2794	No Cracking or Adhesion Loss	No Cracking or Adhesion Loss	No Cracking or Adhesion Loss
Salt Spray Resistance (5% Salt Fog @ 95° F)	ASTM B117	Passes 4000 Hours	Passes 4000 Hours	Passes 4000 Hours
Humidity Resistance (100% RH @ 95° F)	ASTM D2247	Passes 4000 Hours	Passes 4000 Hours	Passes 4000 Hours
Colour Retention	ASTM D2244	Max 5 Units Change	Max 5 Units Change	Max 5 Units Change
Chalk Resistance	ASTM D4214	Max 8 Units Change	Max 8 Units Change	Max 8 Units Change

Colorweld® 500 and Colorweld® 500XL coatings exceed AAMA 2605 and AAMA 620 performance requirements. All coatings are thoroughly tested and backed by the strength and integrity of ABS. Colorweld 500 and Colorweld 500XL coatings come with a 30-year finish warranty. Please consult factory for warranty information. It is extremely important to note that all mica and metallic finishes exhibit coil-coating grain flow and paint directionality. This is a result of the coil-coating process and the inherent optical diffusion and reflection caused by the mica and metallic flakes in the paint. A consistent panel layout, relative to the directional arrows on the protective film of each panel, must be taken into consideration during design, fabrication and installation.

Solar Reflectance Value (SRV)

Colorweld 500	Value	Colorweld 500XL	Value
Pure White	68.1	Bright Silver	70.6
Bone White	68.2	Champagne Metallic	52.8
Frisco White	69	Copper Penny	39
Oyster White	63	Pewter	19.3
Castle Grey	48.1	Platinum	51.8
Pueblo Tan	51.1	Vancouver Copper	37.1
Cadet Grey	33.3	Anodic Clear	56
Classic Green	27	Anodic Satin	49.6
Konig Blue	32.2	Anodic Bronze	35.2
Brite Red	34.8		
Classic Bronze	9		
Deep Black	4.5		

Colorweld® 500XL

SERIES TWO

Premium Metallic and Mica Finishes available at a moderate upcharge.

When estimating, fabricating and erecting, the appearance of a metallic paint finish may vary according to the direction from which it is viewed. For colour consistency, it is best to order all material required at one time and in the same width.



SERIES THREE

Premium Anodic Mica Finishes available on a project-specific basis **

Availability is subject to change. Minimum quantities apply. Please consult your ABS Products representative for specific availability.



Opaque Finishes

These 2-coat finishes typically consist of a 0.2 mil primer and a 0.8 mil colour coat, for a nominal dry film thickness of 1.0 mil.

Mica Finishes

These 2-coat finishes typically consist of a 0.2 mil primer and a 0.8 mil colour coat with mica flakes suspended in the finish. Nominal dry film thickness is 1.0 mil.

Metallic Finishes

These 3-coat finishes typically consist of a 0.2 mil primer, a 0.8 mil colour coat and a 0.5 mil clear top coat, for a nominal dry film thickness of 1.5 mils.

* Environment-friendly cool-pigment finish.

** Series Three colours are formulated to closely resemble popular anodized colours used on curtain wall profiles. Certain colours are gauge and width specific.