

REYNOBOND<sup>®</sup>  
REYNOLUX<sup>®</sup>



Colorweld<sup>®</sup> 500  
Architectural Finishes



# The Performance You Demand

Reynobond® aluminum composite material (ACM) and Reynolux® metal wall panels and flat sheet are protected and colored with enhanced, high-performance Colorweld® 500 and Colorweld 500XL coatings—allowing for color matching between products. These paint finishes feature 70% Kynar 500®/Hylar 5000® polyvinylidene fluoride (PVDF) resins with Fluoropolymer technology, coil coated to ensure the highest color 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 color and gloss retention and improved hardness and durability, and they are considered the premier architectural coatings for metal.

## Buildings stay cleaner with our EcoClean™ coating.

Our innovative EcoClean coating—specially formulated for our Reynobond ACM—keeps buildings cleaner. Thanks to an advanced titanium dioxide coating, Reynobond ACM with EcoClean coating reacts with nitrous oxides, a primary component of smog, breaking it down into harmless nitrates. This advanced coating is moisture-activated, only requiring a light rain or morning dew to wash off grime, keeping your building cleaner and helping to remove pollutants from the air. It's an industry first and can be used in conjunction with many of our high-performing Colorweld 500 architectural coatings. For more information, visit [ecoclean.com](http://ecoclean.com).

## Colorweld® 500

### SERIES ONE

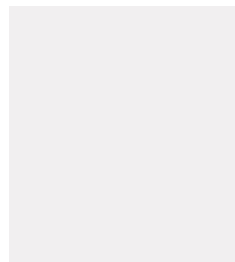
#### Standard Finishes

All Reynobond® panel colors are stocked in 62"-wide coil. Ask about 50"-wide coil availability.

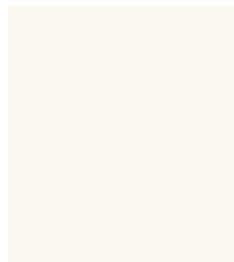
Call for availability of matching Reynolux® panel colors in 0.040" x 48" widths. Other gauges and widths available upon request with minimum quantities and charges.

For other Reynolux panel industry standard "non-stocking" colors, check for availability.

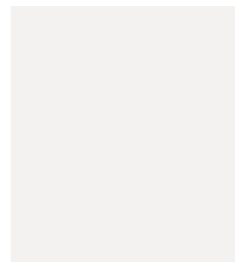
**Opaque Finishes:** These 2-coat finishes typically consist of a 0.2 mil primer and a 0.8 mil color coat, for a nominal dry film thickness of 1.0 mil.



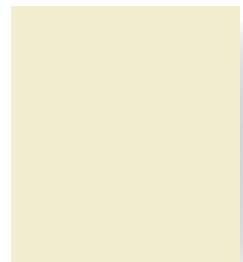
Pure White 



Bone White 



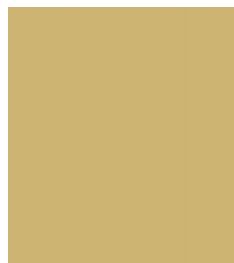
Frisco White 



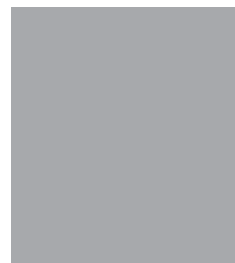
Oyster White 



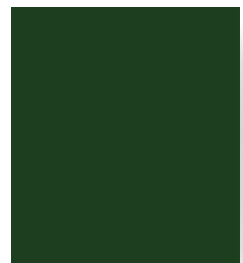
Castle Grey 



Pueblo Tan 



Cadet Grey 



Classic Green 



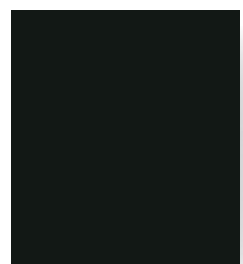
Konig Blue 



Brite Red 



Classic Bronze



Deep Black

# Colorweld® 500

## SERIES TWO

### Premium Mica Finishes

Series Two anodic colors are formulated to closely resemble popular anodized colors used on curtain wall profiles. Certain colors are gauge and width specific.

**Mica Finishes:** These 2-coat finishes typically consist of a 0.2 mil primer and a 0.8 mil color coat with mica flakes suspended in the finish, for a nominal dry film thickness of 1.0 mil.



Pewter 



Platinum 



Silversmith 



Vancouver Copper 



Anodic Clear 



Anodic Satin 



Anodic Bronze 

# Colorweld® 500XL

## SERIES THREE

### Premium Metallic Finishes

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



Bright Silver Metallic 





Champagne Metallic 



Copper Penny 



Titanium 

-  Available with the EcoClean™ self-cleaning coating.
-  Environment-friendly cool-pigment finish.

Mica and Metallic finishes may vary depending on viewing direction. For color consistency with all finishes, order material from the same batch.

Colors shown are as close to actual colors as possible within the limitations of commercial printing. Alcoa reserves the right to change or withdraw information contained herein without prior notice. Contact Alcoa Architectural Products (AAP) for material samples.

AAP is aware that finish performance and color consistency are of utmost importance to its customers. Painted Reynobond and Reynolux panels are coated in a coil-coating process with the most durable coatings available for the building and construction industry. Coil-coating offers excellent coverage, uniformity and durability in a coating. Yet, due to this process and to the composition of some of our finishes, variances in color can and do occur and are visible to the human eye. Moreover, industry tolerances for the coil-coating help ensure minimal variations within a specific color finish.

## Paint Finish Performance for Colorweld® Coatings

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
Flexibility (T-bend)	ASTM D4145	1-2 T-bend; No pick off	1-2 T-bend; No pick off	1-2 T-bend; No pick off
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 hrs	Passes 4000 hrs	Passes 4000 hrs
Humidity Resistance 100% RH @ 95° F	ASTM D2247	Passes 4000 hrs	Passes 4000 hrs	Passes 4000 hrs
Color Retention 10 yrs @ 45°, South Florida	ASTM D2244	Max 5 fade	Max 5 fade	Max 5 fade
Chalk Resistance 10 yrs @ 45°, South Florida	ASTM D4214	Max 8 chalk	Max 8 chalk	Max 8 chalk

## Irradiative Readings

Colorweld 500	SRV <sup>†</sup>	SRI <sup>††</sup>	LRV <sup>†††</sup>
Pure White	69.7	84	76
Bone White	70.2	85	76
Frisco White	71.9	87	70
Oyster White	67.4	81	58
Castle Grey	50.4	57	36
Pueblo Tan	53	61	36
Cadet Grey	35.4	37	34
Classic Green	27.7	27	5
Konig Blue	28.8	27	12
Brite Red	39.4	42	2
Classic Bronze	10	3	3
Deep Black	7.1	0	2

Colorweld 500 (Mica)	SRV <sup>†</sup>	SRI <sup>††</sup>	LRV <sup>†††</sup>
Pewter	21.6	19	11
Platinum	59.3	70	37
Silversmith	58.1	68	36
Vancouver Copper	47.4	53	17
Anodic Clear	56.2	65	42
Anodic Satin	53.6	61	22
Anodic Bronze	42.9	47	12
Colorweld 500XL (Metallic)	SRV <sup>†</sup>	SRI <sup>††</sup>	LRV <sup>†††</sup>
Bright Silver Metallic	61	70	40
Champagne Metallic	54.3	61	36
Copper Penny	44.4	48	15
Titanium	44.2	47	31

<sup>†</sup>Solar Reflectivity Value (SRV); ASTM C1549

<sup>††</sup>Solar Reflective Index (SRI); ASTM E1980

<sup>†††</sup>Light Reflectance Value (LRV); ASTM E1477

Colorweld 500 standard, Colorweld 500 mica and Colorweld 500XL metallic coatings exceed AAMA 2605 performance requirements. All coatings are thoroughly tested and backed by the strength and integrity of Alcoa. Alcoa Architectural Products Colorweld 500 and Colorweld 500XL coatings come with a 30-year finish warranty. Please consult your Alcoa Architectural Products representative for product availability and warranty information.



## Alcoa Architectural Products

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