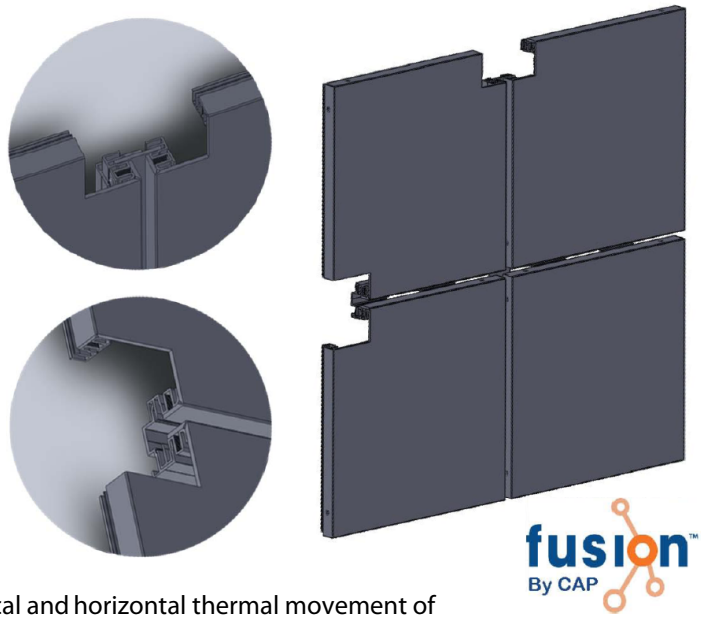
Product Data Sheet



Product Name:
Fusion™ Series ACM Panel System

Manufacturer:
Columbia Architectural Products, Inc.
10722 Tucker Street
Beltsville, Maryland 20705
phone: (301) 937-4383
fax: (301) 937-6850
web: www.CapIndustriesInc.com

Panel Description:
The CAP Fusion™ Series is an ACM pressure equalized rain screen panel system. This System give you a crisp appearance without the time consuming application and clean up mess of a wet seal rod & caulk panel system.

The Fusion™ panel system has been designed to accommodate vertical and horizontal thermal movement of components, preventing buckling, opening of joints and other detrimental effects when subjected to seasonal temperature cycles.

The Fabricated panels include a mitered mitered "frame" extrusion factory attached to the return edges of the panel that fits into 3" field installed extrusion clips. Engineered design allows removal of damaged panels while not disturbing the surrounding ones.

The Fusion™ panel system has been passed and approved by qualified testing agency, certified ti conduct the NFPA 285 Fire Test Method on wall panel systems.

	TEST	UNITS	4mm FR core	4mm LDPE core
Thickness	-	mm	4.0	4.0
Weight	-	lb/ft2	1.47	1.12
Temperature Range	-	oF	-55 to +175	-55 to +175
Bond Strength	ASTM D1781	In/lb/in	≥22.5	≥22.5
Core Density	ASTM D792	Lb/in3	5.42 x 10 -2	3.32 x 10 -2
Coefficient of Expansion	Based on Aluminum skins	Mm/mm/oC In/in/oF	2.36 x 10 -5 1.31 x 10 -5	2.36 x 10 -5 1.31 x 10 -5
Flame Spread Index	ASTM E84	-	Pass = Class A	Pass = Class A
Smoke Developed Index	ASTM E84	-	Pass = Class A	Pass = Class A
Intermediate Scale Multi-Story Test	NFPA285	-	30 minutes passed	-
Interior Room Corner Burn	UL 1715	-	15 minutes passed	-
Fire Test of Building Construction Materials	ASTM E119	-	1 Hour passed	-
Flexural Evaluation	ASTM D7249	psi	9.879 x 106	10.107 x 10 6
Metal Skin Specifications	ASTM B 209	-	3000 Series	3000 Series
Metal Skin Ultimate Tensile Strength	ASTM E8	psi	≥ 23	≥ 23
Metal Skin Yield Strength	ASTM E8	psi	≥ 19	≥ 19
Metal Skin Thickness	-	in	Nominal 0.020	Nominal 0.0.20
Metal Skin Finishes	-	-	70% PVdf	70% PVdf
Core Material Specifications	-	-	Polymer w/ fire retardant filler	Polyethylene

larson® by Alucoil®

30 Year Architectural Coatings

larson® by Alucoil® ACM is coil coated utilizing DURANAR® coatings from PPG. Backed by a 30-year exterior performance warranty, these (PVDF) fluoropolymer paint finishes contain 70% KYNAR® 500/ Hylar® 5000 resins and are formulated to meet or exceed industry performance requisites such as AAMA 620 and AAMA 2605. Our 29 standard colors are matched to a combination of popular ACM and steel foam panel colors – enabling greater flexibility and design choice.

Solid Color Series

These *Duranar®* 2-coat colors consist of a 0.2 mil primer and a 0.8 mil color coat, for a nominal dry film thickness of 1.0 mil.

Regal White S-31

Off White S-91

Bone White S-30

RVW White S-327

Oyster White S-70

Marble S-112

Sandstone S-84

Limestone S-58

Cadet Grey S-32

Charcoal S-381

Classic Bronze S-33

Classic Black S-34

Marakesh Red S-48

Deep Sea Blue S-74

Finished Panel Inventory:
ACM and Matching Flat Sheet

All standard colors are available in 62" coil and inventoried ACM panels. Select colors are also available in 50" width. Matching 0.040" thick x 48" wide flat sheets are available in select standard colors. Please consult for finished goods inventory availability.

Due to variations in computer monitors, we cannot guarantee the accuracy of colors presented on-screen with actual products.

Mica Color Series

These *Duranar®* 2-coat mica colors consist of a 0.2 mil primer and a 0.8 mil color coat, for a nominal dry film thickness of 1.0 mil. Mica flakes are suspended in the color coat – giving the appearance of a metallic finish.

Anodic Clear M-35

Platinum M-36

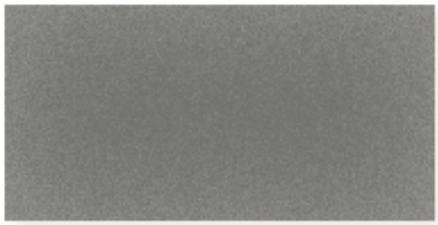

Silversmith M-115

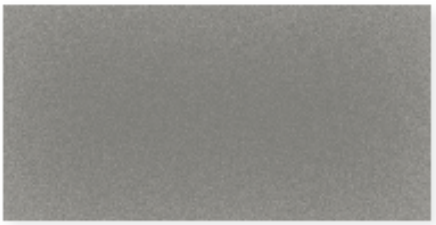

Champagne Mica M-38


Champagne Pearl M-60


Champagne Bronze M-94


Aged Bronze M-367

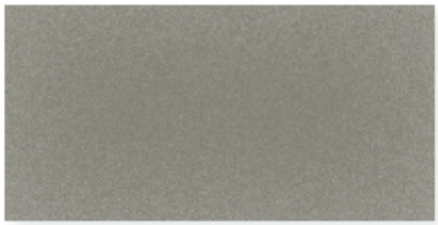

Pewter Mica M-366

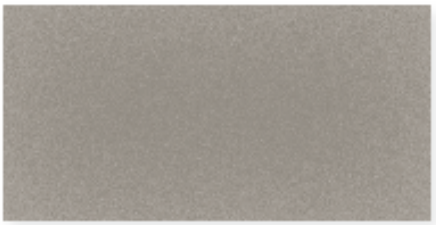

Medium Grey M-301

Metallic Color XL Series

These *Duranar®* 3-coat metallic colors consist of a 0.2 mil primer, a 0.8 mil color coat, and a 0.5 mil clear coat, for a nominal dry film thickness of 1.5 mils.


Silver Metallic XL-25


Gun Barrel XL-382


Pewter Metallic XL-65


Champagne Metallic XL-26


Rustic Copper Metallic XL-27


Bright Copper Metallic XL-28

Mica and Metallic XL Colors are directional in nature therefore proper estimating and installation precautions should be taken to ensure that panels are all installed in the same direction. Directional arrows are printed on panel protective film to aid in this practice.

Due to the reflectivity of these finishes, optical perception of color tone may vary according to the angle from which panels are viewed, reflected light off of other structures, and different angles or planes on which panels are installed on a building elevation.

To ensure color consistency with these finishes, it is highly recommended to order all material required at the same time, be they in single or multiple widths.

PPG Coatings Protected

CAP INDUSTRIES

MANUFACTURERS OF FINE ARCHITECTURAL PRODUCTS