

ARCHITECTURAL FINISHING OPTIONS



Liquid Paint

Conventional liquid painting has become less common due to the environmentally friendly nature of powder coating and the trace VOCs that liquid painting emits. Liquid paint is excellent when working with very specialized paint colors that require custom matching and when small quantities are required for a project. Liquid paint can be applied to any surface, but is less scratch resistant when compared to powder coat finish options. Liquid paint does not form as thick or heavy of a finish as powder coating.

Architectural Powder Coat

Powder coating is a dry film process, which uses finely ground particles of pigment and resin that are electrostatically charged to adhere to electrically grounded metal. The charged powder particles attach to the extrusions and are held there until they are fused into a uniform coating using a cure oven. Before coating, the parts are pretreated similar to a liquid coat process. The exact composition of a particular powder coating is often complex and proprietary. In general, most powder paints contain resins, pigments, fillers, and additives that create the durable, even finish.

AAMA 2603

AAMA 2603 offers high quality film integrity, color control, and mar resistance. This coating must be factory applied to properly cleaned and pretreated aluminum to achieve optimal performance.

Learn more

For more information on our finishes visit our website at solarinnovations.com/information/finish-options.

AAMA 2604

AAMA 2604 is an “intermediate” application. 2604 powder coatings are formulated with super durable or modified polyester resins; ideal for balconies, railings, doors, and other high traffic/use products. 2604’s resilience makes it exceptionally resistant to wear, providing color and gloss retention for approximately 5-15 years of exposure, depending on location. AAMA 2604 is highly scratch and fade resistant. Extrusion coatings can be applied over inhibitive primers to enhance corrosion resistance in coastal and industrial applications.

AAMA 2605

AAMA 2605 is a high-performance exterior application that requires a zinc rich primer. Depending on the manufacturer, a 2605 powder coat may or may not utilize a fluoropolymer resin (FEVE). These finishes are resistant to moisture, weathering, ozone, and UV radiation. Perfect for projects like skylights or curtain walls that are exposed to corrosive, coastal weather or intense UV environments. AAMA 2605 is highly scratch and fade resistant. Extrusion coatings can be applied over inhibitive primers to enhance corrosion resistance in coastal and industrial applications.

Anodizing

The anodizing process is used to finish aluminum alloys and employs electrolytic oxidation of the aluminum surface to produce a protective oxide coating. The typical process includes cleaning, pretreating, anodizing, coloring (optional), and sealing the aluminum members. Anodizing is accomplished in an electrolytic cell using sulfuric acid as the electrolyte. The coating is made when a direct current passes through the positive electrode, decomposes water, and liberates oxygen at the surface of the metal. The oxygen combines with the aluminum to form the coating (a transparent and microscopically porous layer of aluminum oxide). The thickness of the coating is determined by the amount of electrical current and the length of time the aluminum is charged. The micro-pores of the anodized coating must be sealed to prevent unwanted stains. Sealing is accomplished by dipping the aluminum in a hot water solution of metal salts.

FINISH OPTIONS

Stock Finishes



SI White



SI Bronze



Class I Clear Anodized



Dark Bronze Anodized

Designer Finishes



SI Black



SI Sandston



SI Natural Clay



SI Hartford Green

Metal Cladding



Copper



Lead Coated Copper



304 Stainless Steel
#4 Satin Cladding



304 Stainless Steel
#8 Mirror Cladding

Faux Wood Finishes



Acacia 1001
DS 716 Textured
DS 402 Smooth



Acacia 1001
DS 733 Textured
DS 403 Smooth



Douglas Fir 1501
DS 716 Textured
DS 402 Smooth



Cherry 1402
DS 716 Textured
DS 402 Smooth



Knotty Pine 2103
DS 716 Textured
DS 402 Smooth



Cherry 1402
DS 733 Textured
DS 403 Smooth



Oak Assi 2501
DS 733 Textured
DS 403 Smooth



Dark Walnut
1802
DS 733 Textured
DS 403 Smooth



Teak 2601
DS 706 Textured
Mahogany Finish



National
Walnut 1806
DS 706 Textured
Mahogany Finish

Wood Veneering (Unfinished)



White Oak



Birch



Mahogany



Southern
Yellow Pine



Northern
White Pine



Red Oak



Spanish Cedar



Western
Red Cedar



Douglas Fir



White Maple

Please Note: Depending upon color selection, additional charges and increased lead times may apply. Color illustrations are shown as accurate as standard photography and printing processes allow. Final finish selection should be made from a physical sample; please contact Solar Innovations® to receive samples. All product and finish options are subject to vendor availability. Solar Innovations® reserves the right to discontinue any option at any time without notice. Additional options, including custom color match, are available; contact Solar Innovations® for details.