



Advanced UV Cured Aircraft  
and Marine Finishes

**BLUSKY ARMOR™**

**CLEAR COATINGS**



**BluSky Armor™ high-performance clear coatings are a cutting-edge series of very fast curing UV-cured cabinet finishes that are innovating aircraft cabinet finishing specifications.** BluSky Armor™ offers exceptional performance and speedy drying times that result in less rework of cabinets for finish flaws, and higher profits from shortened finishing cycles. The products are inherently flame-resistant and meet the requirements of 14CFR 25.853 for 60-second vertical burn, toxic gas emission and smoke density.

MSI Coatings, the inventor and producer of BluSky Armor™, is a Colorado based company whose owners blend nearly thirty years of field repair of high-end cabinetry and furnishings with a *PhD in "photopolymer chemistry"*. Their individual expertise in understanding what was needed "in the field" with the understanding of how to create that in the lab led to the development of this **futuristic yet easy to apply cabinet clear coating system**.

The **advanced chemical formulation of BluSky Armor™** yields an improved in-service finish performance on-board the aircraft, achieved through the unique cross-linked polymer chemistry of its acrylate formulation. The finish offers excellent clarity and hardness and provides superior resistance to scratching and solvent abrasion. It offers much-desired flexibility/elongation properties, it is highly resistant to cracking, yellowing and shattering, and has exceptional finish adhesion to wood and wood veneer, composites and painted surfaces.

Users of BluSky Armor™ can accelerate the completion of cabinet finishing projects, leading to **quicker returns to service of aircraft and increased profits for both the finishing shop and the aircraft operator**, who can return his aircraft to service more quickly.

**Here are some of the reasons why your cabinet shop should convert to BluSky Armor™ clear coatings:**

- BluSky Armor™ fully cures tack-free, dry to the touch in less than 120 seconds when exposed to our LED UV-lighting. Our catalyst activates in the UV-A range (395 nm), the safest range of light in the UV spectrum.
- The formulation acts as a self-sealing primer, fire retardant, and finish coat all-in-one.
- It is comprised of 100% solids; there are zero solvents, VOCs or HAPs in its leading-edge formulation. Solvent flash and resulting orange peel are a thing of the past!
- Cabinet finishing timelines are reduced from days to hours!
- Faster finishing times result in higher throughput and increased profits.

- Product consumption is reduced by as much as 40% - less is wasted from solvent flash and orange peel sanding. More profits!
- Single-stage formulation is used straight out of the bottle – no mixing of catalysts, hardeners, reducers, or fire-retardants. Fewer mixing errors = higher profits!
- Pot life is indefinite. Left-over clear can be returned to a light-proof container for use later.
- Application utilizes existing spray equipment. No special fixtures or methods are needed.
- BluSky Armor™ is priced competitively with current solvent-based, catalyzed, slow-curing, labor-intensive products.
- Application requires minimal training to adopt.
- BluSky Armor™ adheres to existing finishes and substrates. It is ideal for repairing minor scratches “on wing.”
- BluSky is made in a variety of viscosities to adapt to any vertical or horizontal spray needs.
- BluSky Armor™ is available in multiple sheens, from High Gloss to Satin to Matte finish.
- Minimal capital outlay required to adopt technology. UV LED curing lamps are inexpensive and long-lasting.

As you can see there are many reasons to convert to BluSky Armor™, and there are more. The biggest question that we are asked after a product demonstration is, ***“How do I set up my spray booth to cure the finish?”*** That’s a great question, and there is actually no single answer. It really is contingent upon the type aircraft you typically work on, and the size cabinets to be finished. We’ve illustrated two examples of curing rooms on our website – to view them, visit this page: [BluSkyArmor.OmnaviaInteriors.com/curing-room-examples.html](http://BluSkyArmor.OmnaviaInteriors.com/curing-room-examples.html)

There is a **Complete Family of BluSky Armor™ Products** that provide you multiple options for viscosity and gloss levels. The safety and technical specifications for each product are posted on our website – to view/download, please visit this page: [BluSkyArmor.OmnaviaInteriors.com/product-details.html](http://BluSkyArmor.OmnaviaInteriors.com/product-details.html)



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