

The Protective Industrial Polymers Philosophy

- To be the leader in hangar floor system technology
- To offer unparalleled expertise in the specification and manufacture of aviation flooring systems
- To maintain a relationship with applicators who recognize the importance of quality technology and service
- To excel in addressing niche market opportunities, with the goal of developing long-term solutions
- To continue to develop new systems to meet dynamic market requirements



High-Performance, Aviation-Grade
Specified & Manufactured
Floor Coating Systems

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Coatings | Contracting | Consulting



Advanced Floor Coating Technology...for added protection

Protective Industrial Polymers has developed the most technologically advanced polymer flooring systems available on the aviation market today. The aviation industry is highly demanding and our flooring systems will not only meet, but exceed the demands required to preserve the function of any hangar or aircraft production area.

Full Range of Aviation Floor Coating Systems

From high-performance hangar epoxy/urethane coatings and chemical-resistant novalacs to heavy-duty mortars, concrete resurfacers and ESD-Control systems, the HangarSpec line of floor coating systems has got you covered. Whether you are a Fixed Based Operator (FBO), maintenance facility or aircraft manufacturing operation, we have the right solution to meet and exceed your unique requirements.

Stands up to Heavy Wear and Abuse

HangarSpec Aviation Floor Coating Systems have been developed to withstand even the highest degree of wear and tear. From superior impact resistance and compressive strength to aggressive wear and abrasion resistance, our flooring systems can take a beating while continuing to perform for years to come. Dropped tools, heavy aircraft parts, heavy machine and forklift traffic are no challenge to HangarSpec flooring systems.

Resists Chemical Attacks and Tire Staining

Our advanced polymer systems will stand up to various aviation-related chemicals, such as Skydrol and Ardrex 2871 stripper, not allowing them to penetrate down into your concrete substrate. For the environmentally-minded, these hazardous waste chemicals will not seep into the surrounding ground through the floors due to the highly protective nature of the coatings. These systems also withstand rubber staining from hot tires.

Beauty, Safety and Cleanability

All HangarSpec floor coating systems can be enhanced with PIP's proprietary Gloss-Grip Technology. This additive enhances both the safety and wear of your floor coating system while retaining a slip-resistant, yet high-gloss finish that is easy to clean and maintain. These systems not only maintain their beauty for years to come, they help you save money by reducing maintenance costs.

Professional and Skilled Contractor Network

Protective Industrial Polymers works with a network of recognized installation contractors. These contractors have been properly trained on all of our floor coating technologies. We will work together to ensure all proper preparation procedures and installation methods are properly executed. Additionally, we will work as a team to minimize downtime to ensure quick facility turnaround.



HangarSpec HB-3

High-Build Coating System

A three coat high-build coating system utilizing an epoxy primer and build coat that is topcoated with a high-performance aliphatic polyester urethane.

This system produces a high-gloss, chemical-resistant, light-reflective surface and is recommended for re-coat and standard performance requirements in hangars or general aircraft maintenance areas.

HangarSpec NCR

Chemical-Resistant Novalac Coating System

A high-build, chemical-resistant coating system utilizing an epoxy primer and subsequent novalac topcoats.

This system produces a highly chemical-resistant surface that is ideal for floor areas exposed to aggressive aviation chemicals or stripping operations.

HangarSpec PB-M

Polymer-Based Mortar System

A high-performance polymer-based mortar/resurfacer system ranging from 1/8" to 1/4" in thickness. This system resurfaces old, damaged concrete with a new, stronger, more impact-resistant surface.

This system produces a heavy-duty, wear-resistant surface that is ideal for aircraft production or maintenance areas subject to extreme conditions.

HangarSpec HB-5

Premium High-Build Coating System

A five coat high-build coating system utilizing an epoxy primer and build coats with multiple topcoats of a high-performance aliphatic urethane.

This system features enhanced chemical-resistance, gloss and light-reflectance and is recommended for areas requiring reapplication after coating removal or hangars with extended performance requirements.

HangarSpec CM-P

Cementitious Mortar With Polymer Topcoat(s)

A cement-based mortar/resurfacer system topcoated with a high-performance epoxy and/or aliphatic urethane.

This system produces a durable, restored concrete substrate with a high-gloss, chemical-resistant, light-reflective surface profile that is ideal for hangars, or reconditioned areas.

HangarSpec CR-ESD

Chemical-Resistant ESD-Control System

A five coat high-build ESD-Control coating system utilizing an epoxy primer and build coats topcoated with a high-performance aliphatic polyester ESD-Control urethane.

This system exhibits excellent chemical resistance and is ideal for aircraft instrument production areas, or any other area that require protection from static electricity combined with chemical-resistance.



- 50% Greater Wear
- Lower Maintenance Costs
- Longer Service Life
- Customized Surfaces
- Repeatable Textures

All HangarSpec flooring systems can be custom-enhanced with PIP's proprietary Gloss-Grip technology. Gloss-Grip is a micro-spherical safety and wear additive that creates a more slip-resistant and better wearing surface profile, while retaining the high-gloss finish in demand by the aviation industry.

Unlike traditional angular aggregate broadcast additives that rely solely on installation skill, the Gloss-Grip additive is incorporated into the polymer system matrix providing a more even distribution of wear and safety enhancement. Unlike with traditional broadcast additive techniques, you can achieve consistent, repeatable surface profile textures with Gloss-Grip.

And because the addition of Gloss-Grip helps create a surface profile that exhibits less friction and surface mass, your floor coating will last longer and be easier to clean - saving your organization time and money.

The degree of profile created by the addition of the Gloss-Grip additive can be fully customized to meet your requirements, from light-duty to moderate to aggressive.