



HANGAR FLOORS: Picking the Right Finish

With 50+ years of experience, Centrex has custom-built hundreds of hangars with different end uses. One of the most crucial design decisions is flooring. We have gathered important information on the top three finishes, including aesthetics, durability, traction, maintenance, cost and more, so you can choose the best option.

	Option 1: BURNISHED	Option 2: HONED & POLISHED	Option 3: EPOXY COATED
AESTHETICS	Smooth with natural discrepancies. Glosses over time with cleaning.	Beautiful and unique finish.	Clean room look, reflects light. Several color options.
DURABILITY	★★★★	★★★	★★★
TRACTION	Semi-slippery when wet.	Semi-slippery when wet.	Very slippery when wet. Optional traction top coats reduce this significantly.
MAINTENANCE	Semi-annual cleaning is recommended.	Dry mop liquid spills or water immediately. Semi-annual cleaning is recommended.	Requires specific maintenance and specialty cleaning machine. Quarterly cleaning with a proper scrubbing machine is recommended.
LIFE	20+ Years	20+ Years	15+ Years
SCHEDULE		Adds several days to the construction schedule.	Adds several weeks to the construction schedule.
COST	\$	\$\$	\$\$\$
BOTTOM LINE	Most economical and best choice for shared space storage hangars.	Best choice for a bespoke design aesthetic.	Best choice for showcasing aircraft. Brightens the environment and is easiest to clean.



Option 1: Steel Trowel Burnished

Burnishing offers a beautiful finish to ordinary concrete. It has a hard-wearing and attractive finish by burnishing the concrete with a high-speed trowel. This is the most basic of hangar floor finishes, offering a smooth surface where some natural concrete discrepancies are visible. It is the most economical option. Burnished floors allow aircraft tires to park directly on the surface with minimal tire marks. The finish is moderately resistant to spills. Water, oil, and fuel can leave permanent marks if not cleaned promptly. Regular cleaning is essential to maintain its appearance.

This is Centrex's recommended finish for shared space storage hangars.

Option 2: Honed & Polished

These surfaces undergo the most mechanical refinement and are considered premium flooring. After applying a hardening agent, the concrete is honed using a diamond-grit sanding machine. The cut depth can be adjusted to expose the aggregate (from "salt and pepper" to half an inch), creating a unique and visually appealing surface. This floor finish is often a best-value choice. Its cost typically sits in between steel troweled burnished and epoxy coating. This floor is less susceptible to staining due to the application of the hardener, provided it receives proper maintenance and care. The larger the exposed aggregate, the more susceptible it will be to some staining.

This is Centrex's top choice for private hangar owners desiring a bespoke floor aesthetic.

Option 3: Epoxy Coated

Epoxy provides a modern, clean room look. While several colors are available, white is the most popular. It is a protective coating made from epoxy resin and polyamine hardener chemically bonded to the concrete, making it waterproof and durable. Epoxy coating, due to the extensive process of prep and application, as well as material costs, is typically the most expensive floor coating option. You must use application experts and a high-quality product for reliable results. The process adds weeks to any construction schedule. Popular top-coat options include traction coats, which reduce slip accidents when wet, and UV protectants, which preserve the floor's beauty over time. Epoxy-coated floors require regular cleaning with a specialty machine to ensure tire scuffs are removed. It is recommended that aircraft tires not be parked in direct contact with the epoxy to avoid potential damage. Often, carpet or plastic mats are used. This finish is highly resistant to liquid staining, however, it is always recommended that spills of any kind are cleaned up promptly.

This is Centrex's top pick for showcasing aircraft since it provides a bright and beautiful finish to any hangar.



Epoxy Coated

Optional: Control Joint Filler Compliments All Floor Finish Types

Control joints are the saw-cut lines you see on every hangar floor. They serve an important purpose by directing most surface cracks to the bottom of the cut joint rather than appearing on the floor's surface. Filling these joints can create a more uniform and aesthetically pleasing look and make the floor easier to clean! There are various material and color options available. Since all hangar floors expand and contract with temperature changes, applying the proper joint filler to accommodate these fluctuations is essential, ensuring both the aesthetics and functionality of the floor are maintained for you and your customers.

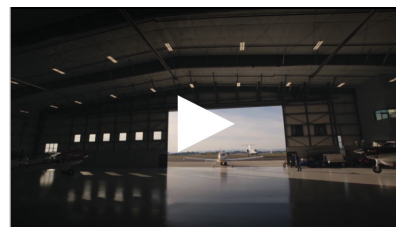


Steel Trowel Burnished

Choosing the right flooring for your aircraft hangar is critical as you balance aesthetics, durability, safety, and cost. Whether you prioritize the classic, economical appeal of a steel trowel burnished floor, the premium elegance of polished concrete, or the modern sophistication of an epoxy-coated finish, Centrex has the expertise to guide you to the best decision.

Ready to take the next step?

Our team is here to support you through every stage of your hangar project. Contact Centrex today to start making your vision a reality.



See flooring finishes video at centrex.cc/therightfloor.