

AIRCRAFT HANGAR FLOOR COATINGS



PROTECT YOUR INVESTMENT WITH STRATASHIELD® FLOOR COATINGS

Hangar floors receive constant abuse from abrasion, aviation chemicals - including Avgas and Skydrol® - and hot tires coming off the runway. But no matter how functional a floor coating is, it must withstand this daily grind and still look great next to multi-million dollar aircraft.

Tnemec Company offers a coating system uniquely designed for the demanding environment of aircraft hangars. Based upon a system comprised of a high-solids epoxy primer and intermediate coat, it is the topcoat – Series 248 EverThane® – that sets this coating system apart.

Series 248, a chemical-resistant urethane, is formulated for use in high traffic areas where maximum abrasion, stain resistance and protection against aggressive solvents and various chemical solutions are required. The aluminum oxide additive used in Series 248 improves wear resistance, helps minimize glare and hides heavily trafficked areas. It also combats the effects of “paw printing,” a phenomenon where tires can leach plasticizers into the coating, resulting in staining.

Additionally, EverThane provides exceptional color and gloss retention, an important attribute for areas around hangar doors that receive considerable amounts of sunlight, which can severely alter your floor’s appearance.

Tnemec’s StrataShield flooring systems featuring Series 248 EverThane have been applied to hangars throughout North America with excellent results.



FEATURES AND BENEFITS

- Color and gloss retention (UV resistant)
- Exceptional stain resistance (chemicals, tires)
- Less than 100 g/L VOCs (complete system)
- Superior chemical and abrasion resistance
- Provides greater light reflectance than bare concrete for safety and energy conservation
- Low odor
- Available in a wide range of colors

To find out how Tnemec products can help protect you and your project, contact your local Tnemec representative at tnemec.com.

MCDONALD'S CORPORATE HANGAR PROJECT

Tire staining, also known as "paw printing" or plasticizer migration, was an ongoing challenge for floor maintenance crews at McDonald's corporate hangar. The owner wanted the floor to be as pristine as possible in spite of the hangar's harsh environment, so their local Tnemec representative recommended Series 248 EverThane, an extremely hard, chemical-resistant urethane finish with stain-resistant properties. Prior to coating the entire 45,000-square-foot hangar, the owner tested Series 248 on a small section of the floor that was under heavy traffic from aircraft and their towing vehicles, even leaving tires sitting on the coating overnight. These tests successfully demonstrated the cleanability and abrasion resistance of Series 248. Since being refinished with the Tnemec coatings system, tire staining is easily removed with a clean cloth, and the owner is extremely pleased with the floor's appearance.



CHEMICAL RESISTANCE

- Skydrol®
- Aviation Gas (Avgas)
- JP4
- JP5
- Jet A Fuel
- Motor Oil
- Brake Fluid
- Hydraulic Fluid

STANDARD AIRCRAFT HANGAR FLOOR SYSTEM

PRIMER

Series 201 Epoxoprime®

A clear, 100% solids, catalyzed epoxy primer, Series 201 is designed to penetrate and seal the prepared concrete and establish a foundation for the rest of the StrataShield epoxy/urethane system. It develops tenacious adhesion to prepared concrete and is moisture tolerant.

INTERMEDIATE

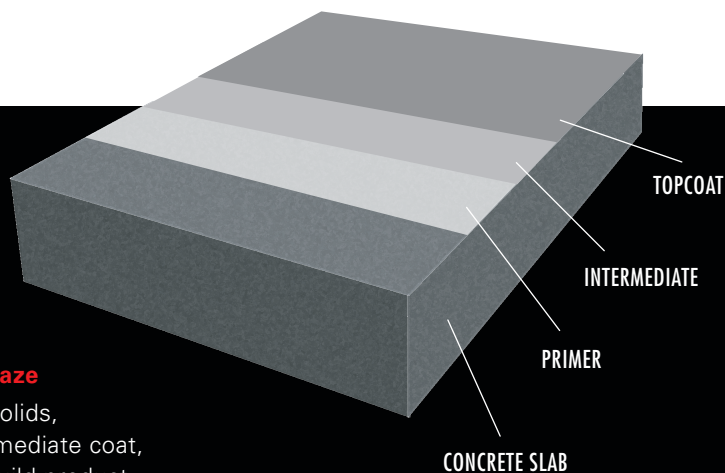
Series 281 Tneme-Glaze

A pigmented, 100% solids, catalyzed epoxy intermediate coat, Series 281 is a high-build product which provides the floor with additional protection and a smooth, glaze-like finish. Formulated for easy application, it withstands various chemicals, stains and abrasion.

TOPCOAT

Series 248 EverThane

An extremely hard, chemical-resistant urethane floor coating with superb wear characteristics. It has excellent color and gloss retention and resistance to abrasion, corrosive fumes and chemical contact. EverThane's extreme durability makes it a great finish coat for aircraft hangars.



Note: Other system options are available. Contact your local Tnemec coatings consultant for assistance.



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