



CASE HISTORY

ESD FLOORING INSTALLATION FOR PROTOTYPE & TEST FACILITY

STATIC CONTROL FLOORING SYSTEM INSTALLED TO SUPPORT SENSITIVE ELECTRONICS AND LONG-TERM FACILITY PERFORMANCE

PROJECT OVERVIEW

California Concrete Coatings was selected to install specialized flooring systems for a rapidly growing aerospace component manufacturer during the build-out of a new prototype shop and test laboratory. The facility was being developed as a hands-on engineering environment where designs would be fabricated, assembled, and evaluated under real-world operating conditions. The client required a compliant electrostatic dissipative (ESD) flooring system to support sensitive equipment areas, along with durable high-performance flooring in adjacent zones.

CHALLENGE

The project involved coordinating flooring installation within an active construction schedule while supporting the client's evolving ESD program requirements. The existing bare concrete slab presented potential moisture risks that could impact long-term system performance—particularly within static-controlled environments. The flooring solution needed to provide durability for equipment movement, maintain a clean professional appearance, and align with the startup's budget constraints.



SOLUTION

Working closely with the flooring manufacturer's technical team, California Concrete Coatings developed a multi-system installation strategy. A moisture-mitigation primer was installed to help manage vapor transmission from the slab. ESD areas received a high-performance epoxy system with an ESD Static Control urethane topcoat, while adjacent work zones were installed with a high-performance epoxy flooring system designed for traffic durability and visual consistency.

EXECUTION

Installation activities were coordinated with other trades to support efficient build-out progression. Upon completion, ANSI/ESD S20.20 resistance testing was performed and documented, providing the client with verification of system performance and compliance.

RESULT

The finished flooring systems supported the creation of a clean, durable, and compliant engineering workspace—helping protect sensitive equipment, improve operational safety, and provide long-term performance for a fast-moving aerospace development environment.

