

Profile



The Customer

San Diego, California is the North American headquarters of APW Electronic Solutions. At this location they design, manufacture, and integrate electronic enclosures, racks, chassis, backplanes, power supplies, and thermal management products. APW Electronic Solutions is a division of APW Electronics, a global electronics company with combined revenues of over \$1.1 billion.

The Business Challenge

APW Electronic Solutions was in the process of consolidating two facilities into a new 127,000 sq. ft. building along with a newly acquired third company. APW Electronic Solutions' 24,000 sq. ft. systems assembly area required a floor that would guard against electrostatic discharge (ESD). To help eliminate this problem, employees wear special antistatic ankle straps. "Our customers need to be reassured that their product will not be damaged by ESD," explains Bill West, Director of Operations for APW Electronic Solutions. "Therefore, it was critical that our new floor provide a high level of ESD protection."

APW Electronic Solutions presented several challenges, including the need for a floor that provided:

- A high level of protection against ESD
- A durable yet cleanable surface
- High aesthetics
- Good value

Delivering the Solution

National Construction Technologies Group (NCTG) partner Rob Long of EPF provided a turnkey installation, including:

- Preparation of all concrete
- Installation of backer rods into control joints
- Filling of joints with flexible epoxy filler
- Profiling the concrete with muriatic acid
- Application of epoxy primer coat
- Connection of copper tape between floor and ground points every 2,000 sq. ft.
- Application of a two-component urethane

APW solicited flooring bids three months prior to moving to their new facility. "Rob provided samples and participated in all group discussions," comments West. "Not only was he highly recommended by one of our customers, but his proposed seamless flooring solution was more cost-effective than the tiling solution we originally sought."

Business Results

To minimize downtime, APW's new floor was installed over a weekend. "EPF provided one of the best cost-effective solutions for controlling ESD in a large manufacturing facility," concludes West. "The floor cured very quickly, and best of all, it works!"

Why National Construction Technologies Group

National Construction Technologies Group is a nationwide construction consortium of experienced specialty contractors specializing in coatings and protective surfaces; restoration and preservation; concrete construction; and construction management. Presently, there are eight consortium members with locations throughout the U.S. and Canada. For more information, visit www.NCTG.org.

