

# STONHARD *Solutions*

## *Floor Contributes to Long-Term Product Quality*

When Allen-Bradley was planning for a new circuit board assembly area in 1989, choosing a long-term solution for their ESD flooring was a major consideration. From the beginning, they demanded that specific flooring requirements be met.

Their demands are not surprising. After all, industry experts confirm that the electronics industry loses billions of dollars each year because of electrostatic discharges (ESD). Furthermore, 90 percent of ESD failures go undetected. Those are statistics that a company dedicated to quality and customer service cannot allow.

So, the project team demanded the following from the floor:

- **Total static control** meeting 1-100 megohm resistance. This feature was a primary consideration, since the company could not limit the control of static on personnel and equipment only to workstations.
- **Durability.** The floor had to accommodate the movement of machinery and constant foot traffic.
- **Seamless construction.** The project team viewed this feature as a way to promote cleanliness and to aid in maintenance.
- **Aesthetic qualities.** The company wanted the area to have a high-tech appearance and the floors to have high reflectivity.

The team considered several alternatives. It rejected waxes because they do not give permanent static protection and require constant maintenance. It also rejected vinyl tiles because they are not seamless and tend to fail in traffic areas. The team finally selected Stonhard's Stonlux AT system. The epoxy system has a high reflective finish and met the facility's specified conductive requirements. Stonhard installed the floor in 1989, and Allen-Bradley's engineers report, 11 years later, that it continues to meet their requirements for conductivity, durability, maintenance and appearance.



*In the circuit board assembly area at Allen-Bradley, a static dissipative floor helps ensure product quality.*

### **The Stonhard Difference**

Stonhard is a world-leading manufacturer and installer of high-performance polymer floor, wall and lining systems designed for tough commercial and industrial environments requiring protection against corrosion, impact, abrasion and continuous daily wear. We deliver long-lasting, high performance systems for tough environments. We offer customized solutions to satisfy the most demanding design specifications and work with you directly from start to finish. You are protected with a single source warranty on both products and workmanship. Known around the world for excellence, the Stonhard name means quality products and unmatched service.

**STONHARD**  
**single**  
**source**

FORMULATING

ENGINEERING

SALES + SERVICE

INSTALLATION

PROJECT MANAGEMENT

*For more information on Stonhard's high-performance polymer floor, wall and lining systems, visit us at [www.stonhard.com](http://www.stonhard.com) or call toll free at 800/257-7953.*