

PROTECTIVE LINING FEATURING **Polyshield HiE™ PC (21798)**

PROJECT:
Clean Room Concrete Floors

LOCATION:
Major Computer
Chip Manufacturer

CONTRACTOR:
FD Thomas, Inc.

SYSTEM:
POLYSHIELD Hi-E PC 21798®*
over primer

TOTAL AREA:
102,000 square feet

COMPLETION DATE:
Summer 1999

PROBLEM:

The concrete floor of a major computer chip manufacturer needed to be coated with a reliable and economical solution. It was critical to use a coating that would not have any out-gassing. The original plan called for an aliphatic urethane topcoat, which is costly and time consuming.

Nipolam sheet material and several polyurethane deck coatings were considered but rejected.

SOLUTION:

The owner decided to use the one coat application of Polyshield Hi-E PC 21798®*. Thus negating the need and expense of a topcoat, as well as expediting the project. The high elongation of Polyshield Hi-E PC 21798®* allowed for movement with the concrete and could be easily cut to facilitate future equipment installations.

The concrete floor was first shot-blasted, cracks and control joints were filled with an epoxy sealant, and the floor surface was primed with a penetrating epoxy primer. SPI's Polyshield Hi-E PC 21798® was then applied at 35+ mils.

Note: *Polyshield Hi-E PC 21798® is a custom blend formulation for the owner, derived from the standard SPI Polyshield Hi-E™.

RESULTS:

The owner was so pleased with the performance of Polyshield Hi-E PC 21798®, he subsequently awarded FD Thomas, Inc. additional projects at other facilities.

