

**PROJECT:**  
Glass Windows  
Pontiac East Truck Plant

**LOCATION:**  
Detroit, MI

**OWNER:**  
General Motors

**APPLICATOR:**  
Blastech

**SYSTEM:**  
SPI GLASSHIELD™ 100 Polyurea applied at 24 mils on glass window inside and outside.  
SPI A102™ Polyurethane exterior topcoat (1 gallon / 100 sq. ft.)  
Interior finished with acrylic paint.

**TOTAL AREA:**  
140,000 square feet

**COMPLETION DATE:**  
March 1999

**PROBLEM:**

The monitor glass windows in GM's Pontiac truck plant's were aging and beginning to leak. Several of the deteriorated windows started falling out and crashing down onto the plant floors. These windows became a serious safety hazard. They needed to be stabilized and sealed, but due to the age of the windows, it had to be done without any type of surface preparation. The windows would have to remain in place and be encapsulated to prevent further damage, while eliminating any further risk of injury.

**SOLUTION:**

The project owner decided to use SPI's GLASSHIELD™ 100 polyurea because of it's durability and water resistant properties. The contractor applied GLASSHIELD™ 100 polyurea at 24 mils on the inside and outside of the windows. Upon request from General Motors, SPI's A102 (single component polyurethane) was custom matched to their company colors and sprayed as a topcoat on the exterior.

**RESULTS:**

The GLASSHIELD™ 100 polyurea coating system stabilized and sealed the leaking, aging windows. Plant officials were satisfied with the solution, and relieved to have the safety issue resolved. The project owner awarded several new projects to the applicator in 2000 and 2002.

