



SHIELD SYSTEMS, INC.

Moisture Protection Specialties

Project Name: Lambert International Airport
Main Terminal Parking Garage

Owner: City Of St. Louis

Address: 10701 Lambert International
Airport, St. Louis, MO 63145

Phone: 314-426-8087

Installation: 2005-2006

Materials: Strongcote SC112/113
Traffic Membrane

Preparation: Shot Blast

Application: Squeegee/Back Roll

The project involved a comprehensive repair procedure that included removal and replacement of deteriorated concrete and was administered under the guidance of structural consultant Gholam Masoumy with EDM Engineers. In most cases full depth repairs were made to provide for a sound substrate that was later coated with Strongcote SC#3 Heavy Duty System. The application of the coating was done in several phases over a period of 2 years to provide uninterrupted use of the parking garage which services the main terminal at the airport. The Strongcote was chosen over conventional urethanes due to the fast turn around time of the system as well as the zero VOC, no odor characteristics of the Strongcote components. There was a huge safety concern as much of the garage was enclosed and the installations took place during normal working hours when vehicular and pedestrian traffic in the garage was at its peak. A total of ONE MILLION FEET of surface area will have received the Strongcote traffic membrane. It should be noted that the airport authority has previously used the same system with unmatched success on the Arrival Ramp.



Crack Detail Using EM-100N



Finishing Installed Strongcote Coating



Finished System