



# SHIELD SYSTEMS, INC.

Moisture Protection Specialties

**Project Name:** St. Luke's Hospital North/South Garage Remedial

**Owner:** St. Luke's Hospital

**Address:** 232 South Woods Mill Road  
Chesterfield, MO 63017

**Phone:** 314-434-1500

**Installation:** 2002-06

**Materials:** Strongcote SC113  
Heavy Duty Traffic Membrane

**Preparation:** High Pressure Water Blast

**Application:** Squeegee/Back Roll



Installing Coating System



Finished SC-113 System

Phase I of this remedial job consisted of concrete and post tension cable repairs over a 15,000 square foot area. Originally, the parking deck was coated with a urethane traffic coating some 8 years prior. Pinholes in the urethane coating caused moisture to enter under the membrane. Because the urethane was not breathable chlorides entered the deck through the water migration and considerable structural damage occurred. After the P.T cables were repaired and the concrete replaced, the area was coated with Strongcote SC-113. Again the applicator was able to coat the entire 15,000 square foot area with two coats of SC-113 (90mils) in one day and open to traffic at 6:00am the following morning! To date over 75,000 SF have been done.

Note: Strongcote was selected because of the damages caused by the earlier use of a urethane coating. In addition, Strongcote allowed for immediate turn around given the sensitive need for parking. Also, the hospital was impressed with the safety aspects of Strongcote and the "Odor Free" zero VOC characteristics.