



## SSM Health Care St. Joseph Hospital

### Installation

2009-2010

### Location

300 1st Capitol Drive  
St. Charles, MO 63301-2893

### Materials

SW-83 Repair Mortar  
SC-113 Heavy Duty Traffic  
Membrane System

### Contractor

Tarlton Corporation  
5500 West Park Avenue  
St. Louis, MO 63110

### Architect/Engineer

SSE Engineers, Inc.  
138 W. Clinton Place  
Kirkwood, MO 63122

### Independent Representative

Tom Suter, President  
Shield Systems, Inc.  
5205 Bischoff Avenue  
St. Louis, MO 63110  
Office: 314-865-5550  
tomsuter@shieldsystems.com

A two year overhaul to the multi level 250,000 Sq. Ft. parking garage included removal of an existing coating system, extensive repair with Strongcrete structural repair mortars and then a finish coat of Strongcote SC-113 vehicular deck coating. To remove the failed coating system as well as the deteriorated concrete the surface prep was performed using hydro-demolition. A result of the prep process rendered a very rough profile and therefore the SW-83 thin set mortar was applied to provide a smooth uniform finish for the traffic bearing membrane system. It was also noted that high chloride levels existed in the structural deck and therefore the migratory corrosion inhibitors contained within the Strongcote SC-113 system offered additional protection against future corrosion activity.



**Strongwall Industries, Inc.** 107 Chestnut Street, Ridgewood, NJ 07450 **Website:** [www.strongwall.com](http://www.strongwall.com)  
**Office:** 201-445-4633 ♦ **Fax:** 201-447-2317 ♦ **Email:** [strongwall@strongwall.com](mailto:strongwall@strongwall.com)