



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.
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St. Louis, MO 63110
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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.



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