

Application Profile

Project: First Baptist Church; Building Annex Roof

Polyurea Applicator: Primeaux Associates LLC

Polyurea System Applied: VersaFlex SL 75; Low Pressure Spray Process

Substrate / Area: Concrete, Asphalt Cap Sheet; 120 ft²

Date: January 2005

The First Baptist Church in Elgin, Texas purchased a next door building for use in Sunday School and other events. The problem was that the building was constructed next to an original building and the common wall at the top of



at the parapet roof line was leaking during rains into the building. Leakage was also occurring at the vent tube penetration through the flat roof deck. Due to the relatively small size of the area, the use of conventional spray application / equipment would have been financially prohibitive. As it was felt that the use of the polyurea technology was the best solution for repair and sealing the area, it was decided that the VersaFlex SL 75 joint sealant system would be used and applied via cartridge tubes / low pressure spray.

The SL 75 was applied to the top edge of the parapet roof wall and onto the wall of the brick building at a film thickness of average 50 mils. Cracking and erosion of the original applied asphalt type system was noted and the source of the leakage. The SL 75 was also applied around the vent stack penetrations in the flat roof area. The SL 75 was applied via dual 300 X 300 ml cartridges, through a static mix tube with an air atomization cap for a spray pattern / dispense. The material was processed using a pneumatic cartridge gun at 90 psi air.



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