

# Application Profile

- Project:** Home / Retail Construction, Anderson, SC  
Deck Waterproofing
- Polyurea Applicator:** Osborn Contract Services, Greer, South Carolina  
Project Monitoring by Primeaux Associates LLC
- Polyurea System Applied:** PCS 305, White Aliphatic Polyurea System  
Polyurea Coating Systems, Inc., Stafford, Texas
- Substrate / Area:** Plywood Deck, GlasRock Walls, approximately 600 ft<sup>2</sup>
- Date:** February, 2006

The third floor exposed deck on this construction project required water proofing of the deck before installation of the tile flooring and walls. This project was in the main downtown area and access was limited. The polyurea technology was chosen due to the speed of application, seamless installation and bonding to the various drain penetrations.

The plywood deck was sanded and vacuumed to remove the dirt and construction debris. Two coats of General Polymers GP 3477 Epoxy Water Emulsion primer was applied to give a good seal to the deck. This was followed by application of an average 60 mils (1.5 mm) of the PCS 305 aliphatic polyurea spray system. The aliphatic system was chosen, even though the area would be covered with tile, as they required a nice white membrane for show during the completion of the project.

The main challenge was getting the application equipment into place in the tight area, as well as getting the equipment up to the third floor, 50 feet up. A cementitious grout will then be applied later to set the tile work. The deck area is now waterproofed and will allow storage of construction material on the lower floors without getting wet.



**Primeaux Associates LLC**

161 Forest Drive - Elgin, Texas 78621  
1-512-285-4870 FAX 1-512-281-4933 polyurea@flash.net