

**PROJECT:**  
Custom Built Mansion  
Concrete Foundation  
Protection and Waterproofing

**LOCATION:**  
Los Angeles, CA

**OWNER:**  
Private Residence

**APPLICATOR:**  
Poly Coatings, Inc.

**SYSTEM:**  
POLYSHIELD HT™ Polyurea  
60 - 80 Mils

**TOTAL AREA:**  
45,000 sq. ft.

**COMPLETION DATE:**  
Summer 2008

**PROBLEM:**

Choosing the right materials for waterproofing concrete foundations is critical. Many residential foundations have only been damp-proofed which limits the amount of moisture vapor getting into the basement, but does not eliminate water infiltration. The home owner needed a protective coating that was water-resistant, and strong enough to support the footing drainage system that would be installed over the coating.

**SOLUTION:**

Specialty Products, Inc's (SPI) Polyshield HT™ polyurea was the coating system of choice. Poly Coatings, Inc. understood this coating would provide the seamless, durable protection needed. The moisture vapor permeation (per mil thickness) was greatly reduced and considered more effective than other options on the market. Sheet membrane products were

considered, and rejected due to potential seam problems, the inability to bond to the rough footings, or create a monolithic seal from the wall footing.

The contractor applied 60-80 mils of Polyshield HT™ polyurea over mechanically fastened geo-textile fabric. This created a seamless waterproof membrane around the entire concrete foundation perimeter.

**RESULTS:**

The home owner said his expectations were met and appreciates having a reliable solution in place to protect his multi-million dollar investment. In addition, the general contractor stated that he prefers SPI's coating process over any other waterproofing product.

