

PROJECT:

Private Ranch
Water Features & Ponds

LOCATION:

Solvang, CA

APPLICATOR:

Poly Coatings, Inc.

SYSTEM:

POLYSHIELD HT™ Polyurea
80 - 130 mils, Sand Color

TOTAL AREA:

24 Ponds Averaging 4,000 To
12,500 Square Feet, Multiple
Stream Beds, Culverts And
Filtration Basins, Transition
Tanks For Koi Acclimation

COMPLETION DATE:

June 2008

PROBLEM:

Many factors are considered when selecting a pond liner: marine life safety, chemicals leaching into the water, and avoiding unsightly liner folds that accumulate gas pockets which may cause bacterial and fungal infections. If necessary, the material needs to be strong enough to handle high pressure washings.

The liner would be required to adhere to a variety of substrates and blend in with the environment. It also needs to be able to handle heavy boulders placed over it without tearing or fatiguing.

SOLUTION

Poly Coatings, Inc. (PCI) chose SPI's Polyshield HT™ polyurea because of its extreme durability and water resistant, elastomeric properties. HPDM liners were eliminated due to the folds and seams, and possible risk that they would separate while the boulders were put in place.

The contractor lined the pond basin with Amoco 1198 geo-textile fabric. Sand colored Polyshield HT™ polyurea was spray applied on top of the geo-textile fabric at 130 mils (basin) and 80 mils (perimeter walls). The coating was successfully tested for water leaks. Placement of heavy boulders did not damage the liner.

RESULT

The client was happy with the performance and appearance of SPI's Polyshield HT™, but was also pleased with the time and cost savings achieved by using the seamless liner.



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