Best Materials Project: 1000 sq.ft. Pool Area Cool Deck Restoration, Custom Home, Scottsdale Arizona. 100 degree day. Project completed in one day.

1. Prep: Aggressively broom and hand wire brush problem areas. This is the most work.

Before Restoration: chips, stains

Before: chips, stains closer view
Before: top deck chips

Before Restoration: chip close up

Before: deck edge chipping
Before Restoration: pool acid stain

2. Primer/Sealer Step: Uni-Tile LV 2-part epoxy-polyamide penetrating sealer/primer, diluted 1:1 with acetone for improved penetration. It penetrated cool-deck and into concrete layer, creating a strong bond between them, a moisture barrier, and solidified concrete structure. It was rolled on with 3/4 nap roller. There were also minor concrete shrinkage cracks in the deck. These were “filled” with primer by hand brushing, before priming the field areas.

Top Deck: before priming. Steps, after priming.
3. Topcoat. Rhino Top Acrylic-Epoxy smooth topcoat (custom color). Rolled on with ¾ - 1 inch nap roller

All Refinished.
Close-up of former bad chip-out area:

![Image](image_url)

Materials Consumption for 1000 sq.ft. Deck:

Uni-Tile Sealer: Specification calls for 250 sqft/gallon of primer. This project diluted primer 1:1 with acetone for improved and deeper penetration. It required 2 each 2-gallon kits and 4 gallons of acetone (not much left over). Cool decks soak up a lot of primer. And hotter weather causes quick evaporation. It was applied with a ¾ nap roller, and rolled in continuously until the surface refused more product.

Rhino Top Topcoat: Smooth grade was used. Specification calls for 1-gallon/100 sq.ft., applied in 2 coats (200 sq.ft./gallon per coat). But this cool deck project had top coating applied in several layers, continuously, working it in smaller areas at a time (apply an area, let it soak in, apply more roll into surface, apply more to refusal and cross roll then blend to next area). The highly textured cool-deck surface required this different application technique to eliminate pin-holes and get an even looking coat. This project used 5 gallons for the 1000 sq.ft. Your area may use more.

Handy Items:
* Spiral mixer.
* 5 gallon plastic bucket to mix the Uni-Tile sealer in.
* Bucket roller rack.
* Several solvent proof weenie rollers.
* 5 foot extension pole for paint roller
* ¾ and 1 inch nap solvent proof roller covers.
* Disposable chip brushes, 3-4 inch wide
* Rags
* Heavy masking tape or duct tape for adjacent areas.
* Drop cloth for adjacent areas.
* Wire brush (new, not contaminated).
* Stiff street broom.