



# Application Instructions for Pecora-Deck™ Mechanical Equipment Room Deck Coating

## I. GENERAL

New concrete should be of sound structural grade and cured for 28 days. Curing should be by water curing method. If curing compounds are required, such compounds must be approved by the coatings material manufacturer. Surfaces should have a steel trowel finish and be smooth, level and free splatters, ridges and fins. The surface should be sloped to the drains. Decks poured over precast "T's" must have control joints placed directly over all corresponding joints in the precast.

Old concrete must be of sound structural grade. Grind of high spots. Fill low areas, voids, honeycombs, rock pockets, excessive rough and spalled areas with applicable patch/underlay material to make deck level smooth.

All concrete decks must be properly cleaned using sandblast, waterblast, blastac, etc., prior to application of deck coating material.

All metal should be wire brushed or sandblasted to bright metal finish.

## 2. PREPARATION & DETAILING

Static cracks greater than 1/16" in width and moving cracks less than 1/16" in width must be saw cut to 1/4" wide by 1/2" deep. Thoroughly clean all saw cut cracks, expansion and control joints. Install closed cell backer rod and apply Pecora Dynatred™ sealant. Tool sealant flush with the surface and allow to cure overnight. Apply a detail coat of 802 Base Coat over all hairline cracks, sealed cracks, expansion and control joints. The detail coat should be 6" wide and 30 wet mils thick. Do not apply the coating over expansion joints wider than 1/2".

Apply Dynatred at the juncture of all horizontal and vertical surfaces, including projections through the deck, curbs, walls, etc. Tool sealant to form a one-inch, 45 degree cant. Allow sealant to cure overnight. Apply 30 wet mils of 802 Base Coat over sealant cants and allow to cure overnight.

## 3. PRIMING

**Important:** It is essential that primers stand for 30 minutes after mixing before being applied to substrate.

Prime concrete with P-808 two-part epoxy primer at a rate of 250-300 square feet per gallon. Allow the primer to dry for a minimum of one hour but no more than eight before applying Base Coat. Prime metal with a thin coat of P-120 primer. Spray or roller apply as recommended.

## 4. APPLICATION OF BASE COAT

Wipe detail coats with a clean cloth that has been wet with xylene solvent.

Pour a 6" ribbon of 802 along the outside wall and using a roller or squeegee apply the coating 3" - 6" on vertical walls, piers and projections.

Apply 802 at 50 square feet per gallon or as needed to obtain 30 wet mils.

Wearing spike golf shoes and starting with an outside/exterior wall, use a longhandled notched squeegee to push the puddled 802 along the wall, angling the squeegee slightly inward, while evenly spreading 802 over the deck. Pour a 4" - 6" ribbon of 802 beside the previously spread coating. Standing in the fresh coating and angling the squeegee towards the center of the deck, proceed to push forward and spread the ribbon of material while walking along in the wet coating. Repeat this procedure back and forth across the deck until the Base Coat operation is completed. Allow this coating to cure overnight.

**Note:** Spike marks from golf shoes and ridges from squeegees will fill in as 802 levels. Backrolling also redistributes and fills spike marks and ridges.

## 5. APPLICATION OF INTERMEDIATE AND TOP COATS

The surface of the Base Coat should have a slight tack to aid in the adhesion of all subsequent coats. If the coating has lost its surface tack, the surface must be cleaned with a cloth wetted with Xylene. Do not saturate the surface with solvent.

If the coating has been exposed for a prolonged period, consult Pecora Technical Department for recommendations.

Apply 804 Top Coat at 100 square feet per gallon. Immediately broadcast 35-65 mesh silica sand into the wet Top Coat at a rate of 8 to 10 pounds per 100 square feet and backroll (wet roller) to completely encapsulate the aggregate. Allow to cure for 48 hours before opening the deck to traffic.

**Termination:** Upon termination of the deck coating saw cut a 1/4" wide by 1/2" deep key joint, and allow the coating to fill the joint.

**Note:** To get even distribution and to completely encapsulate aggregate properly, it is necessary to apply an ample amount of 806 to the deck. Create a mini-slurry, and spread evenly across the deck by backrolling. Stretching coverage rate of 806 will result in clumping, uneven distribution of aggregate, minimum non-skid properties and less than desirable wearing quality.



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