



Application Instructions for Pecora-Deck™ Vehicular Traffic Deck Coating

I. GENERAL

New concrete should be of sound structural grade and cured for 28 days. Curing should be by the 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 followed by a fine hair broom finish and be smooth, level and free of 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 off high spots. Fill low areas, voids, honeycombs, rock pockets, excessive rough and spalled areas with applicable patch/underlay material to make the deck level and smooth. Decks should be properly cleaned using sandblast, waterblast, blastac, etc., prior to application of deck coating materials.

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 should 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 Pecora P-801-VOC (<100g/L) or P-808 (<450g/L) primer at 250 to 350 square feet per gallon. Allow the primer to dry for a minimum of one hour but no more than eight before applying Base Coat.

4. APPLICATION OF BASE COAT

Wipe detail coats with a clean cloth that has been wetted 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 on 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.

Check local VOC regulations for product compliance prior to installing deck coating primer.

5. APPLICATION OF INTERMEDIATE & 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 Service Department for recommendations.

Intermediate and Top Coats may be applied in one of two ways.

Method A - Apply 804 Intermediate Coat at 100 square feet per gallon or as needed to obtain 15 wet mils. Allow to cure overnight. Apply 806 Top Coat at 100 square feet per gallon or as needed to obtain 15 wet mils. Immediately broadcast 20-30 mesh silica sand into the wet Top Coat at a rate of 10 to 12 pounds per 100 square feet and backroll. In high wear areas such as ramps, sharp turns, exit/entrance gates, etc. a second Top Coat with aggregate will enhance the wearing properties. Allow to cure for 48 hours before opening the deck to traffic.

Method B - Apply 804 Intermediate Coat at 100 square feet per gallon or as needed to obtain 15 wet mils. Immediately broadcast 16-20 mesh silica sand into the wet material at a rate of 10 to 12 pounds per 100 square feet and backroll. Allow to cure overnight. Apply 806 Top Coat at 100 square feet per gallon. (If needed additional aggregate may be broadcast into the Top Coat). In high wear areas a second Top Coat with aggregate will enhance the wearing properties. Allow Top Coat to cure for 48 hours before opening 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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