

Pecora-Deck 800

800 Series Pedestrian and Vehicular Polyurethane Deck Coating System



SPECIFICATION DATA SHEET

BASIC USES

- Applied in multi-coats, these polyurethane deck coating systems are designed to protect concrete and plywood wearing surfaces from vehicular and pedestrian traffic abrasion. In the case of concrete, protection from freeze-thaw damage and chloride induced corrosion with its destructive force on reinforcing steel. Where decks are elevated, these coatings proved excellent waterproofing for the occupied space below.

MANUFACTURER

Pecora Corporation

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PRODUCT DESCRIPTION

Pecora-Deck 800 series are elastomeric, one-part, polyurethane, cold applied, liquid deck coating systems. It is available in a variety of colors that incorporate nonskid aggregates to enhance performance and durability.

The Pecora-Deck 800 system is approved for use in regions where products with a VOC content of less than 100g/L are required.

Advantages:

- Ability to produce virtually any color in the field through the use of Pecora's Deck-Pack system and color matching services.
- Easy application and no mixing in of curing agent.
- Resilient to expansion and contraction of substrate
- High adhesion, stress-relieving, crack bridging membrane
- Designed for demanding exterior applications
- Eliminates migratory water problems due to 100% contact with the substrate

Best Performance:

- Opened containers must be used within one or two days. The product is a moisture-reactive material that will set up when exposed to moisture in the air.
- A polyethylene sheet should be used as a blanketing material to re-sealing the lid on a partially used container.
- Proper surface preparation procedures must be followed prior to the application of Pecora-Deck 800.

- Pecora-Deck 800 series cures faster when applied during warm weather and high humidity conditions, also slower during cool temperatures and low humidity conditions.

Limitations:

Do not apply Pecora-Deck 800:

- In enclosed occupied areas or where fumes may be drawn into ventilation systems.
- In areas of continuous temperatures above 180°F (82°C).
- Over any type of lightweight concrete without written approval from the manufacturer.
- On steel pan decks unless vented with ¼" (6mm) holes on 4" (100mm) centers.
- On asphalt surfaces or asphalt overlays.
- In applications that require continuous water submersion.

Please consult Pecora Technical Service for the following applications:

- Over sandwich slabs with insulation or between slab membranes.
- On grade slabs with possible vapor drive.

PACKAGING

- P-801-VOC Concrete and Interlaminary Primer 5 gallon (18.9L) pails
- 802 Base Coat 5 gallon (18.9L) pails
- Pecora-Deck Self Priming Additive 7.54 oz (223ML) container
- 804 Intermediate Coat 5 gallon (18.9L) pails
- 806 Top Coat 5 gallon (18.9L) pails
- P-808 Two-Part Primer 10 gallon (37.85 liter)

TABLE 1: PECORA-DECK COATING SYSTEMS

Consult specific system technical bulletin or Pecora Technical Service Group for aggregate type and use.

Pecora-Deck System Number	Application Type	802 Base Coat	804 Inter. Coat	806 Top Coat 1	806 Top Coat 2	806 Top Coat 3
Pecora-Deck 8012	Under Carpet/Tile	x	x			
Pecora-Deck 8013	Pedestrian	x		x		
Pecora-Deck 8013	HD Heavy Duty Pedestrian	x	x	x		
Pecora-Deck 8113	Mechanical/Equipment Room	x		x		
Pecora-Deck 8123	Vehicular	x	x	x		
Pecora-Deck 8123 HD	Heavy Duty Vehicular	x	Two Coats	x		
Pecora-Deck 8213	Elevated Pool & Tennis Court	x		x	x	x
Pecora-Deck 8313	Plywood Deck	x		x		

TABLE 2: COVERAGE RATE GUIDELINES

Consult specific system technical bulletin or Pecora Technical Service Group for aggregate type and use.

Coverage Rates	Pedestrian	Square Feet Per Gallon Heavy Duty Pedestrian	Vehicular
P-801-VOC Concrete and Interlaminary Primer	250-350	250-350	250-350
P-808 Primer	250-350	250-350	250-350
802 Base Coat	50	50	50
Pecora-Deck Self Priming Additive/802 Base Coat	50	50	50
804 Intermediate Coat	0	100	100
806 Top Coat	100	100	100

TABLE 3: TYPICAL PHYSICAL PROPERTIES

Test Property	Test Value			Test Procedure
	802 Base Coat	804 Inter. Coat	806 Top Coat	
Solids Content (% by wt.)	85	80	75	ASTM C1353
Hardness, Shore A	65	80	90	ASTM D2240
Tensile Strength (psi)	900	2100	3200	ASTM D412
Ultimate Elongation (%)	625	400	250	ASTM D412
Tear Resistance, Die C (ppi)	150	200	350	ASTM D1004
Pull Off Adhesion Strength,				
primed concrete (psi)	400	n/a	n/a	ASTMD4541
Low Temp Flexibility (°F)	-65	-65	-65	ASTM D522
Abrasion Resistance	n/a	n/a	<70	ASTM D501
Water Permeability (gr/hr/ft ²)	0.0015	0.0039	0.00028	ASTM D1653
VOC (g/l)	<100	<100	<100	ASTM D3960

COLORS

Standard Colors:

- *Factory Pre-Mixed Colors:* Tan, Stone Grey, Colonial Grey, Clear* Neutral Base
- *Field Tintable Colors:* Available in 40 standard colors (see Pecora-Deck color chart for details)

Non Standard Colors:

- *Factory Pre-Mixed Colors:* Beige Grey, Arizona Tan (certain restrictions apply)

Custom Colors:

- *Unlimited range of custom colors* (certain restrictions apply)

TECHNICAL DATA

Applicable Standards: Pecora-Deck 800 series complies with ASTM C 957.

INSTALLATION

Application: Application instructions for each type of use is available from Tech Services.

The following products are part of the Pecora-Deck 800 System:

- Pecora Deck 802 Base Coat
- Pecora Deck 804 Intermediate Coat
- Pecora Deck 806 Top Coat
- P-801-VOC Primer
- P-808 Primer
- Pecora-Deck Self Priming Additive

IMPORTANT: ALL SURFACES MUST BE PRIMED PRIOR TO APPLICATION OF COATINGS UNLESS ADDING PECORA-DECK SELF PRIMING ADDITIVE TO PECORA-DECK 802 BASE COAT.

Surface Preparation:

Concrete: New concrete should be 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 Pecora. The surface should be sloped to drains. 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. Decks poured over precast "T's" shall have control joints placed directly over all corresponding joints in the precast. Parking bumpers should be properly installed. Old concrete decks should be sound. Grind down high spots. Fill low areas, voids, honeycombs, rock pockets, excessively rough and spalled areas with applicable patch/underlay material to make the deck level and

smooth. Vehicular traffic decks must be properly cleaned using sandblast, waterblast, blastrac, etc. prior to the application of deck coating materials.

Plywood: Deck should be exterior grade, minimum 3/4" (19 mm) thick, tongue and groove, A/C or better with "A" side up.

Cleaning: Remove wet coatings from tools/equipment using Mineral Spirits. Remove dried material by scraping, sandpapering, etc. (Caution: Mineral Spirits is flammable and toxic. Observe manufacturer's precautions.)

Storage Life: 12 months from date of manufacture when stored in original unopened containers at temperatures below 80° (27°C).

Precautions: Use with adequate ventilation or wear an appropriate NIOSH approved respirator. Contact with uncured coating or with vapors generated during curing may cause respiratory tract irritation. Contact with skin or eyes may cause irritation or allergic reaction. Avoid contact and wash thoroughly after handling. May be harmful if swallowed. Refer to Safety Data Sheet (SDS) for more information. In case of eye contact, immediately rinse with clean water for at least 15 minutes with eyelids held open. Get medical attention. Wash skin thoroughly with soap and water. If irritation develops and persists, get medical attention. If inhaled, remove to fresh air. If difficulty in breathing exists, seek medical attention immediately. In case of ingestion, do not induce vomiting. If conscious, give 2 glasses of water. Get medical attention.

FOR PROFESSIONAL USE ONLY.
KEEP OUT OF THE REACH
OF CHILDREN.

AVAILABILITY AND COST

Pecora products are available from stocking distributors nationwide. For the name and telephone number of your nearest representative, call the number below or visit our website at www.pecora.com.

WARRANTY

Pecora Corporation warrants its products to be free of defects. Under this warranty, we will provide, at no charge, replacement materials for, or refund the purchase price of any product proven to be defective when used in strict accordance with our published recommendations and in applications considered by us as suitable for this product. The determination of eligibility for this warranty or the choice of remedy available under this warranty, shall be made in our sole discretion and any decisions made by Pecora Corporation shall be final. This warranty is in lieu of any and all other warranties, expressed or implied, including but not limited to a warranty of merchantability or fitness for a particular purpose and in no case will Pecora be liable for damages other than those expressly stated in this warranty including but not limited to incidental or consequential damages.

TECHNICAL SERVICES

Local Pecora representatives are available to assist you in selecting an appropriate product and to provide on-site application instructions, or to conduct job-site inspections. For further information and assistance, please call our Technical Service department at 215-723-6051 or 800-523-6688.

FILING SYSTEMS

- CSI MasterFormat Designation: -07 18 00 Traffic Coatings

