

Pecora-Deck 800

800 Series Pedestrian and Vehicular Deck Coating System



SPECIFICATION DATA SHEET

BASIC USES

- Applied in multi-coats, these 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

165 Wambold Road
Harleysville, PA 19438
Phone: 215-723-6051
800-523-6688
Fax: 215-721-0286
Website: www.pecora.com

PRODUCT DESCRIPTION

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

Advantages:

- Ability to produce virtually any color in the field through the use of Pecora's universal color 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 prior 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: TYPICAL PHYSICAL PROPERTIES

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-8081 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 | 802 Base Coat | 804 Inter. Coat | 806 Top Coat | Test Procedure |
|---|---------------|-----------------|------------------------|----------------|
| Solids Content (% by Weight) | 85 | 80 | 75±5 | ASTM C1353 |
| Hardness, Shore A | 65±5 | 80±5 | 90±5 | ASTM D2240 |
| Tensile Strength(psi) | 900 | 2100 | 3200±500 | ASTM D412 |
| Ultimate Elongation (%) | 625 | 400 | 250 | ASTM D412 |
| Tear Resistance, Die C (lb/in) | 150 | 200±50 | 350 | ASTM D1004 |
| Pull Off Adhesion (Primed Concrete) (psi) | 400 | NA | NA | ASTM D4541 |
| Low Temp Flexibility (°F) | -65 | -65 | -65 | ASTM D522 |
| Abrasion Resistance | NA | NA | <70 | ASTM D501 |
| Water Permeability (gr/hr/ft2) | 0.0015 | 0.0039 | 0.00028 | ASTM D1653 |
| VOC | <192 | <225 | <250* | ASTM D3960 |
| | | | 402 g/l Clear Top Coat | |

COLORS

Standard Colors:

- *Factory Pre-Mixed Colors:*
Desert Tan, Stone 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, Colonial Grey (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
- 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

