

Pecora-Deck™ 800-RVOC

Specification Data Sheet

Reduced VOC Pedestrian and Vehicular Deck Coating System



I. BASIC USE

- Applied in multi-coats, these systems are designed to protect wearing surfaces, concrete or plywood from vehicular and pedestrian traffic abrasion, and 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.
- For use in those areas where a low VOC, mild solvent containing coating is required by regional EPA regulations.

2. MANUFACTURER

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3. PRODUCT DESCRIPTION

Pecora-Deck™ 800-RVOC is a reduced VOC, elastomeric, one-part cold applied liquid deck coating system, available in a variety of colors and incorporating nonskid aggregates to enhance performance and durability.

Advantages:

- Easy application and no mixing in of curing agent
- Resilient to expansion and contraction of substrate
- High adhesion, stress-relieving, crack bridging membrane
- Provides 100% contact eliminating migratory water problems
- 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-RVOC.
- Pecora-Deck™ 800-RVOC cures faster when applied during warm weather and high humidity conditions and slower during cool temperatures and low

humidity conditions.

Limitations:

Do not apply Pecora-Deck™ 800-RVOC:

- 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.

TABLE 1: TYPICAL PHYSICAL PROPERTIES

Coverage Rates	Square Feet Per Gallon		
	Pedestrian	Heavy Duty Pedestrian	Vehicular
P-808-WB	250-350	250-350	250-350
802-RVOC Base Coat	50	50	50
802-SP-RVOC Base Coat	50	50	50
804-RVOC Intermediate Coat	100	100	100
806-RVOC Top Coat	100	100	100

TABLE 2: TYPICAL PHYSICAL PROPERTIES

Test Property	Test Value			Test Procedure
	802-RVOC Base Coat	804-RVOC Intermediate Coat	806-RVOC Top Coat	
VOC g/L	<100	<100	<100	ASTM D-1353
Solids Content (By Weight) (%)	92±2	90±2	80±2	ASTM D-1353
Weight per Gallon (lbs.)	10.4±0.2	10.4±0.2	10±0.2	ASTM D-1475
Viscosity @ 77°F (poise)	50-80	35-55	25-45	Brookfield
Flash Point	Above 120°F	Above 120°F	Above 116°F	ASTM D-93
Cure Time	24 hours @ 77°F, 50%R.H. @ 32 mils	24 hours @ 77°F, 50%R.H. @ 12 mils	24 hours @ 77°F, 50%R.H. @ 12 mils	
Tensile Strength (psi)	850± 100	1350± 150	3000± 300	ASTM D-412
Ultimate Elongation (%)	500±100	450±100	200±50	ASTM D-412
Hardness, Shore A	65±5	75±5	90±5	ASTM D-2240
Adhesive Bond Strength on Primed Concrete (psi)	195 Cohesive Failure	-	-	ASTM D-903
Moisture Vapor Transmission (perms)	-	2	1.5	ASTM E-96
Abrasion Resistance, Inch Loss	-	-	<.002	C-502 Tabor Abrasion, 1000 Rev, 1000 Gm. Weight, CS-17 Wheel
Water Absorption (%)	-	-	<1.0	ASTM D-543
Tear Strength (lb/in)	150±25	190±50	350±50	ASTM D-1004
Chemical Resistance	-	Very Good	Excellent	ASTM D-2299
Weathering Resistance	-	Slight Chalk @2000 hours	No Chalking	ASTM G-23
Service Temperature Range	-	-	-30 to + 180°F	-
Thermal Shock	-	-	No loss of adhesion	Alternate Heat/Cold Cycle

- On steel pan decks unless vented with ¼" (6mm) holes on 4" (100mm) centers.
- Over sandwich slabs with insulation or between slab membranes.
- On asphalt surfaces or asphalt overlays.
- In applications that require continuous water submersion

PACKAGING

- 802-RVOC Base Coat: 5 gallon (18.9L) pails
- 802-SP-RVOC Self Priming Base Coat: 5 gallon (18.9L) pails
- 804-RVOC Intermediate Coat: 5 gallon (18.9L) pails
- 806-RVOC Top Coat: 5 gallon (18.9L) pails
- P-808-WB Two-Part Primer: 2 gallon (7.6L) or 10 gallon (37.85 liter)

COLOR

- Beige Grey, Desert Tan, Clay, Slate Gray, Stone Grey and Charcoal Gray

4. TECHNICAL DATA

Applicable Standards: Pecora-Deck™ 800-RVOC complies with applicable Federal EPA VOC regulations, the Northeast ozone Transportation Corridor VOC regulations and applicable California Regional Air Quality Regulations and shall meet the performance requirements of ASTM C-957-87, High Solids Content, and Cold Liquid Applied Elastomeric Waterproofing Membrane with Integral Wearing Surface.

5. INSTALLATION

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

IMPORTANT: ALL SURFACES MUST BE PRIMED PRIOR TO APPLICATION OF COATINGS UNLESS USING PECORA 802-SP-RVOC SELF-PRIMING BASE COAT.

Surface Preparation: 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, blastac, 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 Material Safety Data Sheet (MSDS) 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.**

6. 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.

7. LIMITED 1 YEAR 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.

8. 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.

