Pecora-Deck HB1100-SA

Two-Component, Integral Aggregate, UV-Resistant, Single Coat Application, Chemically Curing, Polyurethane Waterproofing & Traffic Bearing Coating

PECORA CORPORATION®

SPECIFICATION DATA SHEET

BASIC USES

- Protective coating for concrete, wood, grit-blasted steel, and other traffic and non-traffic bearing horizontal surfaces.

MANUFACTURER

Pecora Corporation

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

PRODUCT DESCRIPTION

Two component, self-leveling, fast curing, UV & weather resistant, integral aggregate, low VOC, waterproofing polyurethane traffic coating system for both exterior and interior applications exposed to pedestrian and vehicular traffic. Pecora-Deck HB1100-SA is a one-step traffic coating system that includes integral aggregate and functions as both a waterproofing and traffic bearing deck coating system.

Advantages:

- Integral aggregate for pedestrian and vehicular applications
- Single coat application
- Primerless adhesion
- UV & weather resistant
- Low odor
- Zero VOCs
- Abrasion resistant
- Extremely resilient
- Elastomeric
- Allows for high build applications for enhanced durability
- Fast curing
- Excellent adhesive characteristics
- Compatible with wide range of coatings and sealant materials

Limitations:

- Do not apply to damp or wet surfaces.
- Do not apply when surface temperatures exceed 110˚ F.
- Do not apply over expansion joints greater than ½" (12mm) in width.
- A primer may be required for high porosity surfaces.
- Not recommended for use on vertical surfaces.
- New concrete must cure 21-28 days prior to application.
- Do not apply over any type of lightweight concrete without written approval from the manufacturer.
- Do not apply on asphalt surfaces or asphalt overlays.
- Do not apply over unvented steel pan decks, on sandwich slabs with insulation or between slab membranes, or on-grade slabs.

Consult Pecora Technical Service when applying deck coatings over slabs with possible vapor drive.

Surface Preparation:

All surfaces must be level, clean, and dry. Remove all foreign materials such as coatings, loose dirt and other contaminants by means of mechanical abrasion, high pressure air, sand blasting, solvent wipe, or vacuum to achieve a clean, dry, virgin surface. The use of a primer may be required for enhanced adhesion or for sealing of porous surfaces to avoid outgassing prior to application of Pecora-Deck HB1100-SA.

Joint Treatment & Detailing:

The Pecora Deck-Seal polyurethane joint sealant is required to pre-seal all seams, joints, and cracks in concrete and plywood. Static (non-moving) cracks, joints, or seams greater than 1/16" in width, changes in plane, and any penetrating items through the concrete or plywood deck must be sealed prior to deck coating application. Changes in plane in plywood decks may be sealed, detailed, and/or reinforced with fabric. Butt joints in plywood should be sealed prior to coating application. Reinforcing fabrics are not typically required at plywood butt joints.

Dynamic (moving) cracks in concrete should be saw cut to a minimum ¼" wide by ½" deep. Expansion joints ½" wide or less may be coated over. Expansion joints greater than ½" wide

PACKAGING

2x 5.5-gallon kit (11.0 gallon total volume)

2x 4.14 gal. (15.7L) - Part A Base

2x 0.47 gal. (1.8L) - Part B Activator

Aggregate

2x 0.91 gal. (3.4L) - Part C Aggregate

- Vehicular Aggregate 12/16 US Mesh
- Pedestrian Aggregate 16/20 US Mesh

2x 1.8-gallon kit (3.6 gallon total volume)

2x 1.35 gal. (5.1L) - Part A Base

2x 0.15 gal. (0.6L) - Part B Activator

Aggregate

2x 0.30 gal. (1.1L) - Part C Aggregate

- Vehicular Aggregate 12/16 US Mesh
- Pedestrian Aggregate 16/20 US Mesh

COLOR

Standard colors: Colonial Gray, Stone Gray, Charcoal Gray, Desert Tan, and Sahara Tan. Custom colors available upon request and review.

TYPICAL PROPERTIES

Test Property	Value	Test Procedure
Working Life, minutes @ 75°F	20	Pecora Corporation
Solids Content, (%, by vol.)	91	Pecora Corporation
Application Temperature Range*	40°F to 110°F	Pecora Corporation
Service Temperature, °F	-20°F to 180°F	Pecora Corporation
Full Cure/Exposure to Traffic, (hours)	24	Pecora Corporation
Ultimate Tensile Strength, psi	2400	ASTM D412
Ultimate Elongation, %	700	ASTM D412
Shore A Durometer	85	ASTM C661
Abrasion Resistance (mg's / 1000 cycles)	<50	ASTM D4060
Tear Strength, (pli)	300	ASTM D624
VOC, (g/l)	0	Pecora Corporation
Mix Ratio, A:B, (by vol.)	9:1	Pecora Corporation
Part A – base density (#/gal)	8.8	Pecora Corporation
Part B – activator density (#/gal)	8.5	Pecora Corporation

Properties are typical and may be affected by variables in field mixing, application techniques, and/or environmental conditions.
* Applies to both ambient and substrate temperatures.

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should not coated over per Pecora's published details.

For joints ½" wide or less, a minimum of 6" wide detail coat of Pecora-Deck HB1100-SA at 20 wet mils is recommended over the sealed static and expansion joints prior to full scale coating application.

Applicable Standards:

Pecora-Deck HB1100-SA complies with ASTM C957. ASTM E108 Standard Test Method For Fire Tests of Roof Covering: Class A rating (over noncombustible roof deck). Miami-Dade County Product Control Approved.

Acceptance by U.S. Department of Agriculture for use in meat and poultry processing plants.

Priming:

Primer is typically not required on concrete substrates when using the Pedestrian system, but it is required for the Vehicular system. Grit blasted steel does not generally require primer. Recommended traffic coating primers include P-801VOC, P-808, and Healer Sealer. If there are vapor drive concerns, the Healer Sealer primer is required. Refer to the published system application instructions for detailed primer guidelines, or consult Pecora Technical Services for assistance.

Field adhesion testing is recommended for all systems to confirm acceptable adhesion on representative substrates before full-scale application.

Mixing:

1. Pre-Mix Aggregate
Add Part C (aggregate) to Part A (base). Mix for 2 minutes using a jiffy mixing paddle or equivalent, moving the paddle across the bottom and vertically to ensure complete incorporation.

2. Add Activator
Once the aggregate is dispersed, add Part B (activator) to the pre-blended Part A/Part C mixture.

3. Mixing Times
5.5-gallon kit: Mix for 3 minutes, scrape sides near top of pail thoroughly, then mix for an additional 2 minutes (total mix time: 5 minutes).

1.8-gallon kit: Mix for 2 minutes, scrape sides near top of pail thoroughly, then mix for an additional 1 minute (total mix time: 3 minutes).

4. Induction Period
Allow the mixture to stand for 3 minutes before application.

Apply the entire contents immediately after the induction period. Working time is approximately 20 minutes at temperatures up to 75˚F (24˚C). Higher temperatures will shorten pot life.

Material Coverage:

Application	Film Thickness, mils		Square Feet per Gallon
	Wet	Dry	
Pedestrian	33	30	49
Vehicular	45	41	36

Application:

On properly prepared surfaces, pour the fully mixed material in ribbons across surface to be coated. Use a ¼" V-notched squeegee for pedestrian and a ⅜" V-notched squeegee for vehicular applications to uniformly spread the material across the surface to be coated. Apply at the appropriate coverage rate in a single coat. Allow material to level before attempting to measure wet film thickness by means of film thickness gauge. Complete installation by backrolling with a ¼" nap roller in two directions perpendicular to each other taking care not to displace the aggregate by applying too much pressure on the roller. Thoroughly wet the roller in coating prior to backrolling. Keep backrolling to a minimum when humidity levels are greater than 50%. One pass with the roller in each direction is typically sufficient. Material has a 20-minute work life at 75˚F (24˚C).

Maintenance:

Surface may be refreshed by sanding and/or abrasive cleaning followed by an application of fresh coating, if desired. Periodic cleaning is recommended and may be achieved through pressure washing.

Storage Life:

Two (2) years from date of manufacture when stored in original unopened containers at temperatures below 80˚F (27˚C).

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 installed in accordance with our published recommendations and in application considered by us as suitable for this product. This warranty is in lieu of any and all other warranties, expressed or implied, and in no case will Pecora be liable for incidental or consequential damages.

FILING SYSTEMS

- **CSI MasterFormat Designation:**
  -071800 Traffic Coatings

SEALANT • WATERPROOFING & RESTORATION INSTITUTE

Issued to: Pecora Corporation
Product: Pecora-Deck HB1100-SA

ASTM D 412: Tensile Strength — Pass ✔
Pecora-Deck HB1100-SA Coating
Tensile Strength: 1,861 psi;

ASTM D 4541: Adhesion to concrete — Pass ✔
Pecora-Deck HB1100-SA Coating with P-801 Primer
Pull-off Adhesion: >987 psi

ASTM D 4541: Adhesion to concrete — Pass ✔
Pecora-Deck HB1100-SA Coating with P-808 Primer
Pull-off Adhesion: >990 psi

ASTM D 4541: Adhesion of Base Coat — Pass ✔
Pecora-Deck HB1100-SA unprimed
Pull-off Adhesion: > psi 666

ASTM D 4060: Taber Abrasion — Pass ✔
Abrasion Resistance: 25 mgms loss – mgms loss/1,000 cycles

Validation Date: 01/07/25 – 01/06/30

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DECK COATING VALIDATION
www.swrionline.org

MIAMI-DADE COUNTY APPROVED