

Pecora-Deck HB1100-SA



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

SPECIFICATION DATA SHEET

BASIC USES

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

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

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 1/2" (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.

Surface Leveling:

The use of an approved leveling compound may be required prior to application of Pecora-Deck HB1100-SA for uneven surfaces exhibiting low spots in excess of 3/16".

Joint Treatment & Detailing:

The Pecora Deck-Seal polyurethane joint sealant is required to pre-seal

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. Custom colors available upon request and review.

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.

TYPICAL PROPERTIES

Test Property	Value	Test Procedure
Working Life, minutes @ 75°F	20	Pecora Corporation
Solids Content, (% by vol.)	91	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	1800	ASTM D412
Ultimate Elongation, %	900	ASTM D412
Shore A Durometer	85	ASTM C661
Abrasion Resistance (mg's / 1000 cycles)	<50	ASTM D4060
Tear Strength, (pli)	400	ASTM D624
VOC, (g/l)	0	Pecora Corporation
Mix Ratio, A:B, (by wt.)	6.7:1	Pecora Corporation
Mix Ratio, A:B, (by vol.)	6.5:1	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.

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 should not be 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.

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

Priming:

The use of Pecora P-801-VOC or P-808 primer may be required prior to application on porous concrete surfaces with possible vapor drive. Field adhesion testing is always recommended in order to confirm acceptable coating adhesion prior to full scale application. Consult Pecora Technical Services for primer recommendations and field testing requirements.

Mixing:

Add entire contents of Part B (activator) and Part C (aggregate) to Part A (base). Use a properly sized jiffy mixing paddle or equivalent and mix until uniform being sure to move the mixing paddle across bottom of container and vertically throughout mixing to ensure complete incorporation of components. The 5.5-gallon kit will require a four (4) minute mix time and the 1.8-gallon kit will require a two (2) minute mix time. Apply the entire pail contents immediately. As the working pot life is short (20 minutes) one should work quickly to achieve the desired coverage and appearance. Ambient and surface temperatures exceeding 75°F (24°C) will shorten working times to less than 20 minutes.

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. 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:

Twelve (12) months 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