

Pecora-Deck HB1000 Traffic Membrane



SPECIFICATION DATA SHEET

High build, fast curing, industrial grade urethane traffic bearing membrane

BASIC USES

- Protective monolithic industrial coating for concrete, wood and other traffic and nontraffic bearing horizontal surfaces.

MANUFACTURER

Pecora Corporation

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PRODUCT DESCRIPTION

Two component, self-leveling, fast curing, monolithic, high build, low VOC, weather resistant polyurethane coating. Pecora-Deck HB1000 may be applied in a single coat directly over concrete and plywood or over the Pecora-Deck 802/802FC elastomeric base coats when a waterproofing system is required. For use in both exterior and interior applications.

Advantages:

- UV resistant
- Low/no odor
- VOC compliant
- Abrasion resistant
- Extremely resilient
- Machinable
- Fast curing
- Excellent adhesive characteristics
- Compatible with wide range of coatings and sealant materials.
- High Impact resistance

Limitations:

- Applications in areas of continuous temperatures below 40°F
- Do not apply to damp or wet surfaces
- Do not apply when surface temperatures exceed 100 F.
- A primer may be required for highly porous surfaces.

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 HB1000 Membrane.

All seams, joints, and cracks exceeding 1/16" in width must be pre-sealed utilizing Pecora Deck-Seal polyurethane joint sealant.

Surface Leveling:

For uneven surfaces exhibiting low spots in excess of 3/16" the use of an approved leveling compound may be required prior to application of HB1000.

PACKAGING

- HB1000 (5.5 gallon/20.8L kit): Part A: 3.85 gallons (14.6L); Part B: 1.65 gallons (6.2L)

Related Products:

- 802FC Base Coat
- 802 Base Coat
- Dynapoxy Low-Mod Epoxy
- P-808 Primer
- P-801VOC Primer
- HB1000 Accelerator
- Pecora Deck-Seal

COLOR

- Stone Grey, Tan and Colonial Grey (standard) and custom colors available. Field tintable neutral color base may be utilized with Pecora Deck-Packs and/or custom color packs. See mixing instructions for details on Pecora Deck-Packs.

TYPICAL PROPERTIES

Property	Value	Method
Working Life (minutes @ 77F)	25-35	Pecora
Solids Content (% by wt.):	97	Pecora
Service Temperature Range:	-20°F to 180°F	Pecora
Recoat Time (hours)	4	Pecora
Full Cure (Hours) 75F/50%RH	24	Pecora
Hardness (Shore D)	40	ASTM D2240
Ultimate Tensile Strength (psi)	2100	ASTM D412
Ultimate Elongation (%)	95	ASTM D412
Tear Strength (pli)	306	ASTM D624
Viscosity, Part B-Activator (cps)	300	Brookfield
Viscosity, Part A-Base (cps)	16000	Brookfield
Viscosity, mixed (cps)	9000	Brookfield
VOC (g/l)	<1.0	Pecora
Mix Ratio		
by wt:	4.0:1.4	Pecora
by vol:	3.8:1.6	Pecora
Part A - base density (#/gal)	11.18	Pecora
Part B - activator density (#/gal)	9.09	Pecora

HB1000 Accelerator:

Use appropriate PPE when handling the HB1000 components. Add the appropriate amount of HB1000 Accelerator to a full 5.5 gallon kit of HB1000 just prior to mixing. Follow mixing instructions and be aware of worklife limitations as indicated in the table below. Empty contents of mixed, activated HB1000 Top Coat in ribbon patterns as quickly as possible and spread with V notched squeegee to the appropriate wet film thickness.

Pecora-Deck HB1000 Packaging	Ambient Temperature	Pecora-Deck HB1000 Accelerator	Work Life	Open to Traffic
5.5 gallon kit	40°F (4°C)	30 mL	25 minutes	10 Hours
	50°F (10°C)	20 mL	25 minutes	10 Hours
	60°F (15°C)	10 mL	25 minutes	10 Hours
	70°F (21°C)	0 mL	30 minutes	8 Hours
	80°F (27°C)	0 mL	25 minutes	8 Hours
	90°F (32°C)	0 mL	25 minutes	8 Hours

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Priming:

The use of Pecora P-801VOC or P-808 primer may be required prior to application on porous surfaces. Consult Pecora Technical Services for primer recommendations and detailed primer application instructions.

Applicable Standards: Pecora-Deck HB1000 complies with ASTM C 957.

Mixing:

Add entire contents of Part B to Part A. Use a properly sized jiffy mixing paddle or equivalent and mix for (5) minutes being sure to move the mixing paddle across bottom of container and vertically throughout mixing can to ensure complete incorporation of components.

Pecora Deck-Packs:

Use one (1) Deck-Pack of colorant per pail of field tintable deck coating neutral base. Remove lid from metal pint Deck-Pack can. Immediately pour the entire contents of pint can into pail. For two-component deck coating materials add the activator along with the Deck-Pack. Mix single component deck coating materials for three (3) minutes and two-component deck coating materials for six (6) minutes utilizing a 5" diameter jiffy style paint mixer at medium speed. If color uniformity is not achieved continue to mix until uniform color is achieved. Pecora Deck-Packs are recommended for use in the field tintable deck coatings only. Custom color Deck-Packs are available and may utilize alternate package sizing.

Coverage Rate:

WFT, Mils	sq ft/gallon
12	120
25	64
50	32
125	12.5

Application:

On properly prepared surfaces, pour the fully mixed material in 6-8 inch ribbons across surface to be coated. Use an appropriately sized V-notched

squeegee to uniformly spread the material across the surface to be coated.

Wet film thickness of approximately 12 to 125 mils may be achieved using the method described above. This high build material can be applied up to 500 mils (0.50 inches) if necessary without adverse effects.

For proper slip resistance broadcast appropriate sized aggregate into applied coating based on wet mil thickness achieved. Contact Pecora Technical Services or application guide for specific aggregate recommendations.

Please reference the HB1000 application manual or contact the Pecora Technical Service group for further information. Allow material to level before attempting to measure wet film thickness by means of film thickness gauge.

Integral Aggregate Option (HB1000TXTR):

The HB1000TXTR is supplied with an integral aggregate that eliminates the need for manual aggregate application. HB1000TXTR with integral aggregate must be mixed immediately prior to use as settling may occur during storage. A simple 5 minutes mix should be sufficient to re-disperse the integral aggregate throughout the 5.5 gallon unit of HB1000TXTR. Apply HB1000TXTR using a 3/8" V-notched squeegee. Back roll in two directions with a 1/4" nap roller to achieve a uniform aggregate distribution and appearance in the finish coat.

The HB1000TXTR is designed to be applied at a 50 mil thickness or approximately 32 sq ft / gallon. Contact Pecora Technical Service for alternate coverage rates.

Maintenance:

Surface may be refreshed with additional sanding followed by fresh top coat if desired.

Cosmetic cleaning may be achieved through pressure washing and/or scrubbing with industrial water based cleaner and stiff bristle brush.

Storage Life:

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

Solvent and Chemical

Resistance:

R=Recommended
C=Intermittent Contact
NR = Not Recommended

Chemical	Rating
Acetone	R
Xylene	C
Isopropyl Alcohol	R
Sodium hypochlorite, 8%	C
Jet Fuel	C
Motor oil	C
Fuel Oil/Diesel Fuel	C
Propylene Glycol	C
Sodium Hydroxide, 50%	C
Sulfuric Acid, 20%	NR
Chlorinated Water, 100ppm	R
Transmission Fluid	C
Skydrol	C
Hydrochloric Acid, 10%	NR

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 Master Format Designation: -071800 Traffic Coatings