

BASIC USES

- Bonding skid-resistant overlays to bridges and elevated slabs
- Patching concrete as epoxy mortar
- As an optional component of the Pecora-Deck 800 and HB1000 Series vehicular and pedestrian traffic coating systems.

MANUFACTURER

Pecora Corporation

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PRODUCT DESCRIPTION

Pecora® Dynapoxy™ Low-Mod Epoxy is a solvent-free, moisture insensitive, 100% solids, low modulus, two component bonding agent. Excellent for use as binder for concrete skid-resistant overlays on bridges and elevated slabs. Approved for use as the primer, base coat and/or intermediate coat in Pecora-Deck 800 and HB1000 traffic coating systems.

Advantages:

- Meets AASHTO M235
- Meets ASTM C881, Type III, Classes B&C
- Excellent bond strength
- Low modulus
- Low Viscosity
- High Early Strength
- Easy to Mix – 1:1 Ratio
- Moisture Insensitive
- Non-Flammable

Limitations:

- Do not thin with solvents.
- Minimum age of concrete must be 28 days prior to applying Dynapoxy Low-Mod Epoxy as an overlay or primer/base coat.
- Minimum age of concrete must be 5-7 days, depending on curing and drying conditions, prior to applying Dynapoxy Low-Mod Epoxy as a mortar.

PACKAGING

- 10 Gallon Kit (37.8L) – 5 gallon pail Part A and 5 gallon pail Part B

TECHNICAL DATA

Applicable standards: Dynapoxy Low-Mod Epoxy meets or exceeds the requirements of ASTM C881, Type III, Grade 2, Classes B&C and USDA specifications for use in food processing areas.

INSTALLATION

Surface Preparation: Repair delaminations, potholes and cracks with Dynapoxy EP-1200. *Please refer to the specification data sheet for instructions on using Dynapoxy EP-1200 as a Sand/Mortar Patching Compound. Surface should be clean and dry. Clean surface by shotblasting

or other mechanical means to remove all contaminants. Remove dust and debris by blowing off with oil-free compressed air.

Mixing: Precondition all components to 75°F (24°C) for 24 hours prior to mixing. Mechanically mix Part A with Part B at 1:1 by volume with Jiffy type mixer and low speed variable drill @300 rpm for a minimum of 3 minutes. Mix only the quantity that can be used within its gel time.

Application: Apply neat Dynapoxy LowMod Epoxy by notched squeegee at the specified rate. Broadcast select aggregate to refusal. The aggregate should be angular grained silica sand or basalt having less than 0.2% moisture and free of dirt, clay, etc. The silica sand or basalt should have a minimum MOHS scale hardness of 7 unless otherwise approved.

COVERAGE

MIN. EPOXY & AGGREGATE COVERAGE RATES

	Epoxy Rate	Aggregate Rate
COURSE 1	1 gal/40 sq ft min. (1L/m ²)	10 lbs/sq yd (5.4 kg/ m ²)
COURSE 2	1 gal/20 sq ft min. (2L/m ²)	14 lbs/sq yd (7.6 kg/ m ²)

MORTAR COVERAGE RATES

MIXED EPOXY/AGGREGATE RATE @3.5/1.0 Sand/Binder by volume
1 GAL/808 cu in (3.8L/317 cu cm)

Table 1: Typical Physical Properties (Resin)

Test Property	Value	Test Procedure
Compressive Modulus (7-day cure)	110,000	ASTM D695
Compressive Strength (7-day cure)	5,000 psi	ASTM D638
Tensile Strength (7-day cure)	4,600 psi	ASTM D638
Tensile Elongation	32%	ASTM D638
Bond Strength (14-day cure)	2,800 psi	ASTM D882
Absorption	0.2%	ASTM D570
Gel Time @ 75°F (24°C)	12 minutes	ASTM C881
Viscosity	1,900cps	ASTM C881
Working Time (Pot Life) @ 75°F (24°C)	20 minutes	Pecora Corporation
Tack Free Time	2 – 3 hours	Pecora Corporation
Full Cure	5 – 7 days	Pecora Corporation
Shore D Hardness	TBD	ASTM D2240
Shrinkage	0.2%	ASTM D2566
Chloride Ion Permeability	0.0 coulombs	AASHTO T-277
VOC	<50g/L	EPA Method 24

TABLE 2: GROUT PROPERTIES Sand to Resin – 3.5:1 by volume

Compressive Strength 3 hrs	2,850 psi	ASTM C-579 ¹
Compressive Strength 24 hrs	10,000 psi	ASTM C-579 ¹

¹C579 Method B with Plastic Inserts

After initial cure of first course, remove excess aggregate. Do not open to traffic. Apply second course of epoxy and aggregate. Remove excess aggregate. Allow to cure following the table at the right. Open to traffic.

Deck Coating Systems: Refer to System Application Guidelines when using Dynapoxy Low-Mod Epoxy as part of the Pecora-Deck 800 and HB1000 vehicular and pedestrian traffic coating systems.

Cleaning: Uncured material can be removed with citrus cleaner or other approved solvent. Cured material can only be removed mechanically.

Shelf Life: 24 months from date of manufacture when stored in original unopened containers.

Precautions: Part A of two-part Dynapoxy Low-Mod Epoxy is an irritant. Part B of two-part Dynapoxy Low-Mod Epoxy is corrosive. Use of safety goggles and chemical resistant gloves are recommended. Use of a NIOSH/ OSHA organic vapor respirator is recommended if ventilation is inadequate. Avoid breathing vapors. Avoid skin contact. If Eye Contact occurs, flush immediately with water for at least 15 minutes. Contact physician immediately. If trouble breathing occurs, remove person to fresh air. If skin contact occurs, remove any contaminated clothing. Remove epoxy immediately with a dry cloth or paper towel. Solvents should not be used as they carry the irritant into the skin. Wash skin thoroughly with soap and water. **Cured epoxy resins are innocuous.**

**FOR PROFESSIONAL USE ONLY. KEEP
OUT OF THE REACH OF CHILDREN.**

Minimum Curing Times						
Average Temperatures of Overlay Components & Substrate						
	60-64°F 16-18°C	65-69°F 19-21°C	70-74°F 22-23°C	75-79°F 24-26°C	80-84°F 27-29°C	85+°F 30+°C
Min. Cure Time COURSE 1	4 hrs	3 hrs	2.5 hrs	2 hrs	1.5 hrs	1 hrs
Min. Cure Time COURSE 2	5-6 hrs	5 hrs	4 hrs	3 hrs	3 hrs	3 hrs

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

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 Master Format Designation**
 - 03 01 00 Maintenance of Concrete
 - 03 93 00 Concrete Rehabilitation
 - 07 92 00 Traffic Coatings

