

# Dynapoxy™ Healer/Sealer

Low VOC Penetrating Epoxy Sealer



## SPECIFICATION DATA SHEET

### BASIC USES

- Bridge Decks
- Parking Decks
- Floors
- Columns & Beams in Splash Zones
- Consolidation of Porous & Dusting Surfaces
- Primer for Pecora Deck Traffic Coating Systems

### MANUFACTURER

#### Pecora Corporation

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Harleysville, PA 19438  
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### PRODUCT DESCRIPTION

Pecora Dynapoxy Healer/Sealer is a highly penetrating, low VOC, two part epoxy healer/sealer. When applied to cracked concrete bridge decks, it will structurally seal cracks against moisture and chloride ion intrusion prolonging the life of the bridge and with a rapid cure rate can be open to traffic in just four hours.

Pecora Healer Sealer is also approved for use as a primer over concrete slabs with vapor drive concerns when applying the Pecora Deck traffic coating systems.

#### Advantages:

- Low VOC formula
- 100% effective against chloride ion penetration
- Safer mixing than methacrylates

#### Limitations:

- Concrete must be dry and fully cured
- Substrate temperature should be above 40°F (4°C)
- Do not flood coat slab on grade in freezing temperatures
- Do not apply over curing compounds

- Maximum of one flood coat application
- Compressed air equipment must have an oil/air separator

#### Coverage:

Coverage rate depends on porosity of concrete.

- Broom Finished  
65-100 sq. ft./gal.  
6.0-9.3 sq. m./L.
- Steel-troweled  
150-200 sq. ft./gal.  
13.9-18.6 sq. m./L.

#### Coverage rate when used as a traditional deck coating primer:

300-500 sq. ft./gal. (3-5 wet mils)  
7.4-12.3 sq. m./L.

#### Coverage rate when used as a deck coating primer over slabs with possible vapor drive:

100-160 sq. ft./gal. (10-15 wet mils)  
2.5-3.9 sq. m./L.

### TECHNICAL DATA

Applicable standards: Dynapoxy Healer/Sealer meets or exceeds the requirements of ASTM C881, Types I, II, IV and V, Grade 1, Classes B and C.

### INSTALLATION

**Surface Preparation:** Repair all delaminations with an approved polymeric repair compound prior to using Dynapoxy Healer/Sealer, contact Technical Services for

### PACKAGING

- 2.85 gal (10.6L) kit 1.9 gal (7.2L) Part A and 0.95 gal (3.6L) Part B
- 8.7 gal (32.9) kit 5.8 gal (21.9L) Part A and 2.9 gal (11.0L) Part B

further information. Surface must be clean, dry and free of frost. Clean concrete by sand blasting or other mechanical means and blow off with high pressure oil free air.

**Mixing:** When using the 2.85 gallon kit pour the entire contents of Part B into Part A container and mix thoroughly with a variable speed drill (300pm) for 3 minutes.

A separate mixing vessel will be required for the 8.7 gallon kit. Mix two parts of Part A and one part of Part B by volume. Mix thoroughly with a variable speed drill (300pm) for 3 minutes.

**Application:** Within 5 minutes, pre-treat larger cracks and then flood coat Dynapoxy Healer/Sealer onto the bridge deck. Immediately distribute evenly and work into concrete for a minimum of 5 minutes for maximum penetration. Remove all excess with a squeegee on smooth surfaces and a broom on textured surfaces. Surface should appear damp but with no

TABLE 1: TYPICAL PHYSICAL PROPERTIES

| Test Property                        | Value                                              | Test Procedure                                  |
|--------------------------------------|----------------------------------------------------|-------------------------------------------------|
| Brookfield Viscosity (cps)           | <50                                                | ASTM C881 (2,000 cps max.)                      |
| Chloride Ion Penetration             |                                                    |                                                 |
| Resistance (90 day ponding)          | 100% Effective                                     | AASHTO T259                                     |
| Bond Strength (14-day cure) (psi)    | 2,220                                              | ASTM C882 (1,500 psi <sup>1,2,4,5</sup> , min.) |
| Elongation at Break (%)              | 4.0%                                               | ASTM D638 (1.0% <sup>1,2,4,5</sup> , min.)      |
| Water Absorption (%)                 | 0.74                                               | ASTM D570 (1.0% <sup>1,2,4,5</sup> , max.)      |
| Tensile Strength (10 mil film) (psi) | 3,000                                              | ASTM D638 (2,000 psi <sup>2</sup> , min.)       |
| Filler Content (%)                   | 0.0                                                | ASTM C881                                       |
| Working Life (minutes @ 77°F)        | 20 - 25                                            | Pecora Corporation                              |
| Gel Time (@72°F (22°C))              | In 60 gram mass – 1 hour<br>In thin film – 4 hours |                                                 |
| VOC (g/L)                            | <10                                                | EPA Method 24                                   |

<sup>1</sup> ASTM C-881 Type I

<sup>2</sup> ASTM C-881 Type II

<sup>4</sup> ASTM C-881 Type IV

<sup>5</sup> ASTM C-881 Type V

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film build-up or ponding prior to broadcast of the sand. Before Dynapoxy Healer/Sealer gels, broadcast oven-dried silica sand to refusal. Blow-off excess sand after fully cured before reopening to traffic.

### Application as a Traffic Coating

**Primer:** Apply Healer Sealer over concrete with a flat squeegee or ½" nap roller at a coverage rate of 300 - 500 sq. ft/gallon (3 - 5 wet mils). Allow primer to fully cure (~4 hours) prior to applying subsequent Pecora Deck traffic coatings.

### Traffic Coating Primer Application Over Slabs with Possible Vapor

**Drive:** Apply Healer Sealer over concrete with an ⅛" V-notch squeegee at a coverage rate of 100 - 160 sq. ft/gallon (10-15 wet mils). Backrolling with a ¼" nap roller may be necessary to evenly distribute the primer when applied at low ambient temperatures. Allow to fully cure (~4 hours) prior to applying subsequent Pecora Deck traffic coatings.

**Curing:** Cure time is approx. 4 hours at a substrate temperature of 77°F (22°C).

**Storage Life:** 24 months from date of manufacture when stored in original unopened containers at temperatures between 50°-80°F (10°-27°C).

**Precautions:** Part A of Dynapoxy Healer/Sealer is an irritant. Part B of Dynapoxy Healer/Sealer 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. Refer to the Safety Data Sheet (SDS) for more information.

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

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### 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](http://www.pecora.com).

### LIMITED 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

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.

### FILING SYSTEMS

- **CSI MasterFormat Designation**
  - 03 01 00 Maintenance of Concrete
  - 03 93 00 Concrete Rehabilitation