

DynaPoxy™ EP-1200

Two-Part Epoxy Security Sealant

Specification Data Sheet



BASIC USES

• Dyna-Poxy™ EP-1200's outstanding adhesion to similar or dissimilar materials, in particular concrete and metal, high abrasion resistance and "tamper-proof" properties make it an excellent joint sealant for high security areas of prisons and other security areas.

2. MANUFACTURER

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3. PRODUCT DESCRIPTION

Dyna-Poxy™ EP-1200 is a rigid, two-part, high-solids, high-modulus epoxy resin compound, especially designed as a companion or alternative product to Pecora Dynaflex™ urethane security sealant.

Also, because of its high compressive strength and non-sag properties, Dyna-Poxy™ EP-1200 is used as a structural adhesive for vertical and overhead bonding and grouting and for bolt embedment.

Limitations: Dyna-Poxy™ EP-1200 should not be used in active joints or in areas where it may come into contact with food. It should not be subjected to harsh chemicals such as acids or solvents and should not be applied in concrete joints less than 30-days old.

4. TECHNICAL DATA

Applicable Standards: Dyna-Poxy™ EP-1200 meets or exceeds ASTM Specification C-881, Type I and III, Grade 3, Classes B & C.

PACKAGING

- 1 1/2-gallon unit (346.5 cu. in.) (5.7 liter) including Base and Activator. Color Pack is packaged separately.

COLOR

- Pecora Color Pack system has pre-measured tint paste for 50 standard colors.
- Custom colors available upon request. Minimum 5 Color Packs.
- Standard color after mixing is Off White. If the sealant is to be painted, it is not necessary to add a Color Pack.

Joint Design: Security sealants used in non-moving joints do not have a requirement related to width to depth configurations. When installing security sealants in non-moving joints, tamper resistance and tamper proof properties are improved when a greater volume of sealant is installed in the joint. In general, security sealants should be applied to a greater depth than typically recommended for a moving or dynamic joint. In joints greater than 1.5" in width, consult Pecora Technical Services for more specific guidelines.

5. INSTALLATION

Surface Preparation: Surfaces must be clean, sound and free of surface water. Remove laitance, curing compounds, coatings, oil, grease, rust, waxes and other bond-inhibiting substances.

Joint Backing: In deep joints where filling the joint completely would result in the use of excessive sealant, a backer rod may be installed. Backer rod will provide a firm backing allowing for proper tooling of the sealant under pressure. This will ensure proper contact with bonding surfaces. A closed cell backer rod that will compress a minimum of 25% when installed will provide a firm backing to achieve proper application in deep joints. Refer to joint design for further details.

Dynapoxy as a Joint Filler

Mixing & Application: Base and Activator are furnished in exact ratio by volume to equal 1-1/2 gallons when mixed. Thorough mixing is essential to obtain optimum performance.

Use a variable speed drill with Pecora #2 mixing paddle. Mix the entire unit contents at a low speed until the components are evenly blended, approximately six minutes. Do not dilute or alter the mix in any way. Apply sealant to joints using standard caulking equipment.

Tooling: Tool at once after application to ensure full adhesion. Tooling without a slicking agent is preferred but if conditions require one, mineral spirits is recommended. (See Caution Statement.)

TYPICAL PHYSICAL PROPERTIES at 77°F (25°C), 50% RH

Test Property	Value	Test Procedure
Compression Strength (psi)	11,000	ASTM D695
Hardness, Shore D, (max. 72 hours)	70	ASTM C661
Pot Life (minutes)	75	Pecora Corporation
Viscosity	Heavy Paste consistency	Pecora Corporation
VOC Content:		
Base (g/L)	0	ASTM D3960
Activator (g/L)	0	ASTM D3960

Dynapoxy as a Sand/Mortar Patching Compound

Epoxy Mortar Instructions:

1. Activate (1) 1.5 gallon unit of EP-1200.
2. Transfer activated EP-1200 into a 5 gallon pail.
3. Add approx. 2 gallons of sand to 1.5 gallons activated EP-1200. The amount of sand needed to achieve a mortar consistency may vary depending on sand particle size.
4. Mix sand into activated EP-1200 using a Pecora #2 mixing paddle or equivalent until a trowelable consistency is achieved.
5. Use a trowel to apply and form the patching compound as desired.

Note: If the mixed sealant is not applied immediately, stir occasionally to keep the center area from overheating and setting faster than the outside, or divide into smaller units to minimize the heat buildup.

Cleaning: Immediately remove all excess sealant and smears adjacent to joints with mineral spirits. Also use mineral spirits for removing uncured sealant from equipment. Remove cured sealant by scraping, sandpapering, etc. (Caution: mineral spirits is flammable and toxic. Observe manufacturer's precautions.)

Precautions: Wear protective clothing, goggles, gloves and/or use barrier creams. Use with good ventilation. Avoid breathing vapors. Compound contains Epoxy Resin and Polyamide Resin. Causes irritation. May cause sensitization or other allergic responses. Avoid contact with eyes and skin.

First Aid in case of contact: Eyes: flush immediately with plenty of water for at least 15 minutes and see a physician. Skin: flush with plenty of water. Wash thoroughly after handling and wash clothing before reuse. Refer to Material Safety Data Sheet.

IMPORTANT NOTE: Some people are sensitive to any contact with epoxy. If a person shows any evidence of sensitivity (rash, troubled breathing, etc.) he should be permanently removed from all epoxy exposure. The effects of epoxy sensitivity do not abate with time away from exposure, but are cumulative.

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

6. 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.

7. 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.

8. MAINTENANCE

Once Dyna-Poxy™ EP-1200 is in place and cured, it is basically maintenance free. If voids develop where Dyna-Poxy™ EP-1200 meets concrete or within the Dyna-Poxy™ EP-1200, rake out the void, clean with vacuum or compressed air and refill with Dyna-Poxy™ EP-1200. As with any joint filler, repairs will likely be needed if concrete shrinkage occurs after Dyna-Poxy™ EP-1200 is installed. This is a natural development and not a sealant failure.

9. TECHNICAL SERVICES

Pecora representatives are available to assist you in selecting an appropriate product and to provide on-site application instructions or to conduct jobsite inspections. For further assistance call our Technical Service Department at 800-523-6688.

