

DynaPoxy™ EP-1200

Specification Data Sheet



Two-Part Epoxy Security Sealant

BASIC USES

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

2. MANUFACTURER

Pecora Corporation
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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.

PACKAGING

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

COLOR

- Standard color after mixing is concrete grey. The Pecora Color Pack system of 12 Architectural colors and 32 Color-Flex Designer colors may be used and custom colors are available. If the sealant is to be painted, it is not necessary to add a Color Pack.

4. TECHNICAL DATA

Applicable Standards: Dyna-Poxy™ EP-1200 meets ASTM Specification C-881, Type I.

Joint Design: The width or depth of the joint should not be less than 1/4" (6 mm). In joints up to 3/8" (9 mm) wide but not exceeding 1-1/4" (31 mm), the depth should be maintained at 3/8" (9 mm). For joints wider than 1-1/4" (31 mm), please consult our Technical Services department. Consult Typical Physical Properties Chart.

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: Backer rod cushions the sealant, controls the depth and allows it to be applied under pressure. For the firmer support recommended for security sealing, use a closed-cell polyethylene rod that will compress 25% when inserted into the joint. In joints too shallow for backer rod, use a polyethylene bond-breaker tape to prevent three-sided adhesion.

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.)

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.

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

Test Property	Value	Test Procedure
Compression Strength (psi)	11,000	ASTM D695
Final Cure (ultimate strength) (%)	75	ASTM D695
Hardness, Shore D, (max. 72 hours) (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

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 our plants and warehouses, or from stocking distributors in all major cities. For the name and telephone number of your nearest representative call one of our locations listed below or visit our website.

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 installed in accordance with our published recommendations and in applications 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.

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 or 215-723-6051.

10. FILING SYSTEMS

- Electronic Spec-Data®
- Spec-Data®II
- Sweet's Catalog File: www.sweets.com
- General Building
 - 07100 Waterproofing
 - 07920 Sealants
 - 08850 Glazing
- Civil Engineering
 - 07100 Waterproofing

II. FAST FAX Document Codes

1-888-4PECORA (473-2672)

- Data Sheet 542
- M. S. D. S. 543



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