



DeCara, Inc.  
dba

Dynamis

**1. PRODUCT NAME**

EPO ANCHORING CEMENT

EPO ANCHORING CEMENT  
CONTAINS NO SOLVENTS  
100% SOLIDS

**2. MANUFACTURER**

Dynamis  
415 East Venice Avenue  
Venice, Florida 34285

**3. PRODUCT DESCRIPTION**

**BASIC USES:** EPO Anchoring Cement is a high strength, pourable, epoxy compound for the filling of anchor bolt holes in horizontal concrete surfaces. EPO Anchoring Cement is supplied in a three component kit containing epoxy, hardener and fine aggregate. EPO Anchoring Cement is mixed and simply poured into clean bolt holes and should be allowed to cure overnight before stress is applied.

**LIMITATIONS:** Holes to be filled must be, a) at least 50° F., b) clean and dry and, c) in structurally sound concrete.

**COLOR:** Light Grey.

**COVERAGE:**

45 lb. Kit – Yields approximately 1/2 of a cubic foot (861 cu.ins.).  
10 lb. Kit – Yields approximately 15% or 3/20 of one cubic foot(260 cu.ins.)

**APPLICABLE STANDARDS:** When repairing, coating or resurfacing floors and other structural surfaces subject to incidental food contact operating under the Federal Meat and Poultry Products Inspection Program, notify FSIS inspector prior to installation. Meets California Rule 443.1 and 1113. Meets requirements of ASTM-C-881-90 Types I, III, & IV: Class C, D, E, & F: Grade I.

**4. TECHNICAL DATA**

**RESIN PROPERTIES**

Shore D Hardness	84
Tensile Strength	7300
Elongation	7
Flexural Strength PSI Yield	13,300
Flexural Modulus PSI x 10 <sup>5</sup>	3.75
Water Absorption % 24 hrs. @ 77° F.	0.11
Compressive Strength	15,000 – 16,000 PSI
Impact Strength	144 inch/lbs.
Solids	100%

**CHEMICAL RESISTANCE:** EPO Anchoring Cement resists corrosion due to spillage of most generally used acids, alkalis, salts and organic compounds.

Alkalies:	Caustic, pot ash, ammonia, lime, soda ash and others.
Mineral Acids:	Sulphuric acid, phosphoric acid, hydrochloric acid.
Organic Solvents:	Petroleum, coal tar thinners, turpentine and others.
Salts:	Alkalines, acid and neutral.
Oxidizing Acids and Salts:	Up to 15% nitric, chromic peroxide and bleach.
Water:	Tap, distilled, di-ionized.
Food and Organic Compounds:	Sugar, mineral oils and greases, vegetable and animal fats and oils. Cheese. Soap, detergent.
Beverages:	Milk, fruit and vegetable juices.

## 5. INSTALLATION

**PREPARATORY WORK:** No primer is required for EPO Anchoring Cement. Holes must be clean and dry, free from dust, dirt and other contaminants prior to application. New concrete should be cured approximately 30 days before stress is applied to anchoring bolts. Freshly drilled holes need only to be blown out with clean, oil-free compressed air.

**METHODS:** EPO Anchoring Cement may be poured into holes prior to bolt placement. Hole diameter should be at least 50% greater than bolt diameter to allow room for anchoring cement. Holes should be filled approximately 1/3 to 1/2 of depth before bolts are inserted.

**APPLICATION:** EPO Anchoring Cement is designed for horizontal application, but may be used for vertical applications if additional filler is added. Fillers such as fine silica (sandblast) sand, silica flour, or powdered calcium carbonate (marble dust) may be used. Additional fillers should not exceed 10 lbs. for the 45 lb. kit and 2-1/2 lbs. for the 10 lb. kit. Cement may be troweled or tamped into clean holes prior to bolt installation.

**MIXING:** EPO Anchoring Cement is designed for use with a 5 gallon can electric paddle mixer. However, it may be mixed with a strong electric drill and Jiffy mixer. Mixing ratio for liquids is two parts "A" to one part "B", by volume. Stir each component thoroughly before combining. Component A and Component B should then be premixed thoroughly for 3 to 5 minutes prior to the addition of aggregate.

Aggregate should be added slowly and mixed thoroughly for an additional 3 to 5 minutes with epoxy mix until uniform mortar consistency is achieved.

Mix should then be poured into hole. Approximately 45 to 90 minutes per mixed batch will be available at 75° F. in a 1 gallon mass.

**EQUIPMENT CLEAN UP:** Clean tools and equipment immediately with Acetone. In California, use allowable solvent or soap and hot water. Do not allow epoxy to set hard on tools or mixing equipment.

**PRECAUTIONS:** Avoid prolonged contact with skin and breathing of vapor. Use with adequate ventilation. Keep out of reach of children. **Do not allow product to freeze.**

## 6. AVAILABILITY

EPO Anchoring Cement is available from:

Dynamis  
415 East Venice Avenue  
Venice, Florida 34285  
(941) 488-3999  
800-828-8929  
FAX # (941) 488-0747  
[www.dcdynamis.com](http://www.dcdynamis.com)

## 7. GUARANTEE

The manufacturer warrants that the material meets specifications listed and limits any warranty to the replacement of material only.

### **NOTE:**

The information contained in this technical brochure is based on data obtained by our own research and is considered accurate. However, no warranty is expressed or implied regarding the accuracy of this data or the results to be obtained from the use of this data or product. This information is furnished and the product EPO Anchoring Cement sold upon the condition that the person receiving it shall make his own test to determine the suitability of the material for his particular purpose.