



DeCara, Inc.  
dba

Dynamis

## 1. PRODUCT NAME

**DYNAPOX**  
NEW EPO ADHESIVE

ALL PURPOSE  
MARINE MASTIC  
EPOXY ADHESIVE

## 2. MANUFACTURER

Dynamis, Inc.  
415 East Venice Avenue  
Venice, FL 34285

## 3. PRODUCT DESCRIPTION

**BASIC USES:** New EPO Adhesive is a general purpose, metal filled mastic, 100% solids epoxy bonding compound. It adheres to most common surfaces, including concrete, wood, steel, brass, copper and fiberglass. New EPO Adhesive is used for metal tank repair, fiberglass repair, gas tank repair, machinery mounting, casting repair, parking bumper mounting, radiator repair, crankcase repair and pipe repair.

This adhesive may be sanded, filed down, drilled and tapped and will cure in dry, damp and wet conditions. New EPO Adhesive will withstand temperatures of approximately -50° F to 450° F. The zinc filler in this adhesive provides excellent weathering and corrosion resistant characteristics and eliminates the possibility of rust undermining the bond line on steel surfaces.

**LIMITATIONS:** Surfaces to be bonded to must be a) at least 50° F, b) structurally sound and, d) clean.

**COLOR:** Component A – Grey. Component B – Yellow. Mixed – Uniform Grey.

**COVERAGE:** One gallon yields 231 cubic inches.

## 4. TECHNICAL DATA

### PROPERTIES AS RECEIVED

Specific Gravity  
Viscosity

2.1  
0 Slump ASTM D-2202 RT



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## PROPERTIES CURED

Shear Strength	1500 PSI Min.
Compressive Strength	6000 PSI Min.
Tensile Strength	1600 PSI Min.
Dielectric Strength	450 Volts per Mil
Coefficient of Thermal Expansion	.00008 inches per inch per ° F.
Operating Temperature Range	-50° F to 450° F.
Temperature Shock Range	-30° F. to 212° F.
Cure	72° F 12 Hrs. or 250° F 30 Min.
Corrosion and Chemical Resistance	Good

## 5. INSTALLATION

Surfaces must be free from dirt, grease, oil, paint, laitance and other contaminants prior to bonding. This may be done by acid cleaning, grinding, solvent cleaning, sandblasting or detergent cleaning as applicable.

**METHODS:** New EPO Adhesive is applied by putty knife or trowel. The surface of adhesive may be smoothed after application by dipping putty knife applicator in water or solvent to eliminate material tack and then finishing surface.

**APPLICATION:** New EPO Adhesive need only be applied to one side of surfaces being bonded. Care should be taken when bonding two surfaces together that all adhesive is not squeezed out and that adequate bond line remains. Objects to be bonded to vertical surfaces should be supported until adhesive has cured. Damp or wet surfaces will require the adhesive being worked into surface to displace water for best results.

**MIXING:** New EPO Adhesive is mixed one part Component A to one part Component B until uniform grey color is achieved, scraping the bottom and sides of container thoroughly. Stir each component separately before combining. Mixing may be facilitated by slightly warming both components and blending together with putty knife or spatula on a metal plate.



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**EQUIPMENT CLEAN UP:** Clean tools and equipment immediately with commercial grade lacquer thinner or Acetone. Do not allow epoxy to set hard on tools or equipment.

**PRECAUTIONS:** New EPO Adhesive is not flammable: however, the cleaning solvent is. Keep solvent away from heat, open flame and pilot lights. Avoid prolonged contact with skin and breathing of vapor or mist from either epoxy or solvent. Use both with adequate ventilation. Keep solvent and adhesive out of reach of children.

## 6. AVAILABILITY

Manufactured by: Dynamis, Inc.  
415 E. Venice Avenue  
Venice, FL 34285  
941/488-3999

## 7. GUARANTEE

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

The information contained in this specification 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 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.

Revised – 6/03