



DeCara, Inc.
dba

Dynamis

1. PRODUCT NAME

FR-3 Repair Kit

2. MANUFACTURER

DeCara, Inc. dba Dynamis
415 E. Venice Ave.
Venice, FL 34285

3. PRODUCT DESCRIPTION

BASIC USES: FR-3 is a combination of epoxy resin and fiberglass cloth designed for the repair and reinforcement of rusted or damaged floor and trunk panels in antique vehicles. The kit comes with enough 4" wide glass cloth to repair approximately 3 sq. ft of area.

LIMITATIONS: Surfaces to be repaired must be free of grease, oil and any other de-bonding compounds or contaminants. Surfaces should be clean and dry and 50° F or above. Adequate ventilation must be provided.

COLOR: Clear, amber when mixed.

APPLICABLE STANDARDS: ASTM-C-881-90, Types I, II, III, IV, V and VII, Grades 1, 2, 3, Class A,B,C,D,E,F.

COVERAGE: Approximately 3 sq. ft.

TECHNICAL DATA:

Mix Ratio, by volume:	2A:1B
Kit pot life:	45 minutes
Sanding time:	24 hours
Color:	Clear, amber
Shelf life, unopened:	1 year
Tensile strength:	6700
Compressive strength:	14,000-16,000
Shore D	80

5. INSTALLATION



DeCara, Inc.
dba

Dynamis

PREPARATORY WORK: Surfaces must be clean and free from paint, grease, oil and other contaminants. Metal should be solvent cleaned (acetone/lacquer thinner) prior to sanding, grinding or sandblasting.

MIXING: Component “A” and Component “B” should be thoroughly stirred prior to combining. FR-3 should be mixed two parts Component “A” to one part Component “B”, by volume, just before application. Sides and bottoms of containers should be scraped to ensure a complete mix. Care should be taken not to whip too much air into product when using an electric drill and mixer. Higher temperatures/larger volumes will decrease pot life.

METHOD: Fiberglass cloth should be precut after surface preparation so that it fits areas to be repaired. Mix resin (Component A) and hardener (Component B) thoroughly. Mixed FR-3 may then be applied by brush to metal surface, approximately 1” wider than cloth. Lay fiberglass cloth in place and wet thoroughly by working surface with brush and mixed FR-3. FR-3 may also be applied by pouring mixed material into flat pan, such as paint roller pan, after mixing and wetting down cloth by saturating in pan. After cloth is wet, lay in place over deteriorated metal areas. Allow to harden. For additional strength, apply second layer of resin and cloth. After hardening, sand as required and paint.

PACKAGING:

FR-3 is packaged as follows:

- ½ pint Component A contained in a 1 pint can
- ¼ pint Component B contained in a ½ pint can.
- 1 Roll Biaxial fiberglass cloth (9’ x 4”)

EQUIPMENT CLEAN UP: Clean tools and equipment immediately with Acetone, M.E.K. or Xylene. Do not allow epoxy to set hard on tools or mixing equipment.

PRECAUTIONS: Avoid prolonged contact with skin and breathing of vapor or spray mist. Use with adequate ventilation. Keep out of reach of children. **Do not allow product to freeze. Store at room temperature.**

6. AVAILABILITY

DeCara, Inc. dba Dynamis
415 E. Venice Ave.
Venice, FL 34285
941/488-3999
800/828-8929
FAX# 941/488-0747
www.dcdynamis.com



DeCara, Inc.
dba

Dynamis

7. GUARANTEE

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

04/09