



# Dynamis Inc.

## **EPO DYNAWEIGHT BAL-I-FS BALANCING COMPOUND**

### **MIXING INSTRUCTIONS AND PRODUCT DESCRIPTION:**

EPO Dynaweight BAL-I-FS is a two-part epoxy putty specifically formulated for applications where a more rapid cure and faster motor assembly is required.

Thoroughly mix equal parts (by volume or weight) of Part "A" and Part "B" until mass is of uniform color. Apply to point of imbalance as you would a trial balance. Spin object on balancer. Move, add or subtract EPO Dynaweight BAL-I-FS as necessary to obtain final balance. If amount of imbalance is known, EPO Dynaweight BAL-I-FS may be pre-weighed and applied to point of imbalance. Your balancing operation is now complete.

EPO Dynaweight BAL-I-FS is a room temperature, fast curing balancing compound with a working or pot life of approximately 60 minutes. It cures hard in approximately 90 minutes at a temperature of 72° F. No change occurs during cure except hardening.

Shelf life of separate components is approximately one year from date of manufacture when stored in tightly closed containers at room temperature.

EPO Dynaweight BAL-I-FS should be mixed and applied with surgical rubber gloves. Direct skin contact should be avoided.

EPO Dynaweight BAL-I-FS withstands temperatures from -80° F to 500° F.

### **USES:**

- 1) "Trim" balance for large amounts of imbalance.
- 2) Fractional horsepower and larger motors.
- 3) Fans and blowers.
- 4) Computer spindles.
- 5) Rollers (printing and paint included).
- 6) Any other rotating elements requiring balance.

### **COST SAVINGS:**

The use of EPO Dynaweight BAL-I-FS can save as much as 60% of your balancing time.

- 1) It eliminates the necessity of a trial balance.
- 2) Non-conductive. Eliminates the possibility of electrical shorting due to balancing.

- 3) It eliminates many weight location problems.
- 4) It can be rotated and balanced in the uncured state. No cure time is necessary to balance immediately.
- 5) It cures quickly, thereby reducing waiting time required for motor assembly.

**TECHNICAL DATA:**

Part "A":	Red Mastic
Part "B":	Light Blue
Specific Gravity:	2.90 ±
Cured Shore D Hardness:	70 Min
Viscosity:	0 Slump *
Odor:	Slight typical epoxy
Compressive Strength:	6000 PSI Min
Shear Strength:	1500 PSI Min
Tensile Strength:	1500 PSI Min
Dielectric Strength:	450 volts per mil *
Coefficient of Thermal Expansion:	.00008 inches per inch per °F
Operating Temperature Range:	-80° F to 500° F
Solids:	100%
Pot Life:	60 minutes *

\* As per Quality Control Test Procedure

**CHEMICAL RESISTANCE:**

50% Caustic Soda:	No effect
10% HCL:	No effect
10% H <sub>2</sub> SO <sub>4</sub> :	No effect
10 % HNO <sub>3</sub> :	No effect
10% Detergent Solution:	No effect
Glacial Acetic Acid:	Attacks surface
Salt Spray 1000 hours exposure:	No effect
Fuel Oil:	No effect
Gasoline:	No effect
Lubrication Grease:	No effect

**MILITARY SPECIFICATIONS:**

Thermal Shock: 212° F to 82° F	MIL 5272 C (ASG)
Naval Ships:	MIL-I-24178
GSA Nat. Stock Number:	8030013348419

**PACKAGING:**

2 Lb. Kits: 12 Kits per Case  
16 Lb. Kits: 2 Kits per Case

**TOXICITY:**

Toxicity labeled SPI-2. Guide for Labeling Epoxy Products by Society of Plastics Industry. Not toxic. Care should be taken by persons sensitive to chemicals.

**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 Dynaweight BAL-I-FS 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.

**NOTE:**

- 1) Wetting fingers after initial placement of EPO Dynaweight BAL-I-FS and repressing the balancing compound increases adhesion on smooth surfaces.