



# Dynamis Inc.

## **EPO DYNAWEIGHT BAL-VI BALANCING COMPOUND**

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

EPO Dynaweight BAL-VI is a two-part epoxy putty.

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-VI as necessary to obtain final balance. Your balancing operation is now complete.

EPO Dynaweight BAL-VI can be heat cured at 250° F (oven or heat gun) in 15 minutes or air cured at 72° F in 12 hours. No change occurs during cure except hardening.

Pot life of mixed EPO Dynaweight BAL-VI is approximately three hours at 72° F. Shelf life of separate components is approximately one year from date of manufacture when stored in tightly closed containers at room temperature.

Clean up can be accomplished simply with a suitable industrial hand cleaner followed by soap and water.

EPO Dynaweight BAL-VI withstands temperatures from -80° F to 500° F constant and will withstand periodic temperatures to 750° F.

### **USES:**

- 1) "Trim" balance for large amounts of imbalance.
- 2) Fractional horsepower and large 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-VI 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.

**TECHNICAL DATA:**

Part "A":	Red Mastic
Part "B":	Off White Mastic
Mixed Color:	Brick Red
Specific Gravity:	2.73 ± .1
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:	120 to 180 minutes *

\* As per Quality Control Test Procedure

**CHEMICAL RESISTANCE:**

50% Caustic Soda:	No effect
10% H <sub>2</sub> SO <sub>4</sub> :	No effect
10% HCL:	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
76 Lb. Kits	

**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.

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-VI 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.

**NOTES:**

- 1) A small hand operated meat grinder will facilitate mixing. Commercial mixers are available for large quantity mixing.
- 2) Wetting fingers after initial placement of EPO Dynaweight BAL-VI and repressing the balancing compound increases adhesion on smooth surfaces.