



TECHNICAL DATA SHEET

JOHN C. DOLPH COMPANY

P.O. Box 267
320 New Road
Monmouth Junction, NJ
08852

Ph:(732) 329-2333
Fax:(732) 329-1143
info@dolphs.com
www.dolphs.com

DOLPHON[®] CB-1057

BLACK EPOXY BUTTERING RESIN KIT

PRODUCT DESCRIPTION

DOLPHON CB-1057 is a flexible, two package, room temperature curing epoxy resin specifically formulated for encapsulation by buttering of electric motors. It has the following outstanding features:

1. Supplied in kit form for easy measuring of resin and reactor.
2. Different color of resin and reactor insures thorough mixing.
3. Cures quickly at room temperature.
4. Tough and rubbery film. Withstands severe mechanical and thermal shock.
5. Thixotropic consistency, will not sag.
6. Excellent abrasion, moisture and chemical resistance.

CHARACTERISTICS

Tensile Strength, p.s.i. (ASTM D 638)	8,100
Thermal Conductivity (cal./sec./cm²/°C./cm)	8.0 x 10⁻⁴
Water Absorption, % (ASTM D 570)	0.085
Hardness, Shore "D"	70-75
Chemical Resistance (most solvents, acids and bases)	Excellent
Dielectric Strength, 1/8" specimen (volts/mil)	430
Surface Resistivity (ohms)	5.0 x 10¹²
Volume Resistivity (ohm-cm)	1.1 x 10¹⁴

MIXING

Mix equal parts of Resin (A) and Reactor (B) by volume or 0.52 pounds Resin (A) to 0.48 pounds Reactor (B). Mix slowly to avoid stirring excessive air into the mixture. To assure thorough blending, scrape the sides of the container during mixing.

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POT LIFE

The pot life of the mixed compound will be approximately 2-3 hours at 70°F. depending on quantity of material being mixed. The shelf life of the two ingredients is at least a year at room temperature. Ingredients should be kept covered to prevent contamination or absorption of moisture during storage.

PACKAGING

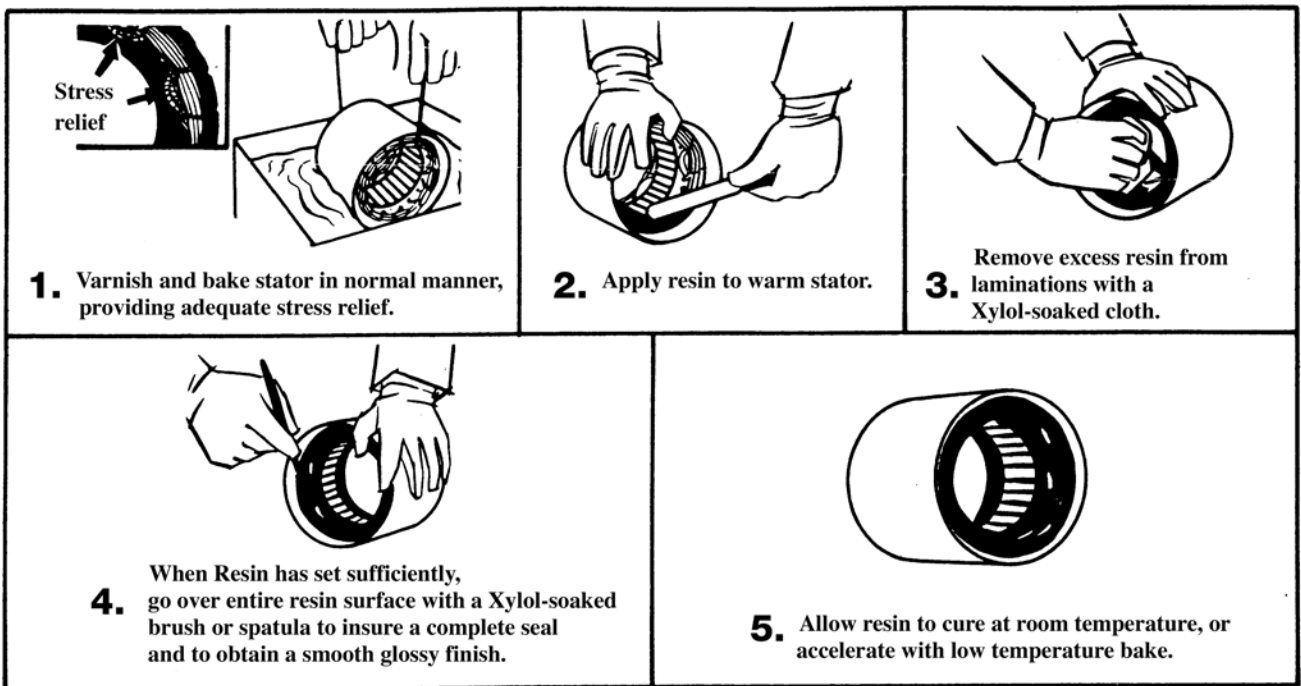
CB-1057 is conveniently packaged in 1 pound, 2 pound, 8 pound and 50 pound kits.

PREPARATION OF UNIT

1. Varnish and bake unit with DOLPHON Epoxy Varnish or a HI-THERM Varnish. DOLPHON Epoxy Varnish will produce an all epoxy system. NOTE: Two dips and bakes are recommended for best moisture protection.
2. Cool unit to 110-130°F. before applying compound.

APPLICATION

Apply mixed compound to the unit with a spatula or a stick. After the material has partially set, wipe smooth with a Xylol soaked rag.



CURE

Gels at room temperature in 3 to 4 hours and cures to a tough, rubbery coating overnight. To accelerate the cure, bake for 20-30 minutes at 150°F.

CAUTION

May cause skin irritation or eye injury. Wash exposed area immediately after contact with soap and water. Use in well ventilated area.

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