OMEGA® Thermcoat CO and COL consists of a powder (CO) and a liquid (COL) which, upon proper mixing, will yield a strong, insoluble cement. It has good thermal and electrical insulation properties, a minimal amount of shrinkage, and a temperature rating to 500°F (260°C).

**HANDLING**
- Avoid prolonged breathing of vapors - work in well ventilated area
- Protect skin against contamination
- Protect eyes against contamination
- Do not take internally

**SHELF LIFE:** 18 to 24 months
OMEGA CO and COL should be stored in a dry, cool environment, away from light to prolong shelf life. The COL liquid bottle should be tightly sealed.

**PHYSICAL PROPERTIES**
- Compressive Strength: 15,500 psi
- Solubility (in water): 0.1%
- Film Thickness: Less than 25 microns
- Maximum Service Temperature: 500°F (260°C)

**DIRECTIONS FOR USE**
The reaction between the liquid and the powder is exothermic, which means it generates heat. For this reason, the heat must be dissipated or the cement will set too quickly, have a sandy or gritty texture, and become brittle. To ensure that the heat is properly dissipated, smear the cement over a large surface area during mixing. It is also important that only a small amount of powder is added to the liquid initially to prevent too much heat from being generated.

Shake the liquid well before each use. Put approximately one part liquid to one part powder by volume on a clean, cool, dry work surface. Divide the powder into two portions, one being twice the size of the other (see Figure 1, Step 1). Now divide each of these portions into three equal portions for a total of six portions (see Figure 1, Step 2). Mix the smaller three portions together, one at a time, with the liquid for approximately 15 seconds each. Add the fourth and fifth portions slowly to the mixture. The sixth portion, should be added in small increments to adjust the consistency. It is recommended that the mixture be made as thick as possible without becoming dry or hard to work with. The mixture is made stronger with the addition of powder. Initial set time is approximately 10 to 20 minutes with a final set in approximately one hour.

This information is not to be taken as warranty for which we assume legal responsibility, nor as permission or recommendation to practice any patented invention without license. It is offered for consideration, investigation, and verification.
OMEGA ENGINEERING, INC. warrants this unit to be free of defects in materials and workmanship for a period of one (1) year from the date of purchase. OMEGA’s WARRANTY adds an additional one (1) month grace period to the normal one (1) year product warranty to cover handling and shipping time. This ensures that OMEGA’s customers receive maximum coverage on each product.

If the unit malfunctions, it must be returned to the factory for evaluation. OMEGA’s Customer Service Department will issue an Authorized Return (AR) number immediately upon phone or written request. Upon examination by OMEGA, if the unit is found to be defective, it will be repaired or replaced at no charge. OMEGA’s WARRANTY does not apply to defects resulting from any action of the purchaser, including but not limited to mishandling, improper interfacing, operation outside of design limits, improper repair, or unauthorized modification. This WARRANTY is VOID if the unit shows evidence of having been tampered with or shows evidence of having been damaged as a result of excessive corrosion; or current, heat, moisture or vibration; improper specification; misapplication; misuse or other operating conditions outside of OMEGA’s control. Components in which wear is not warranted, include but are not limited to contact points, fuses, and triacs.

OMEGA is pleased to offer suggestions on the use of its various products. However, OMEGA neither assumes responsibility for any omissions or errors nor assumes liability for any damage that result from the use of its products in accordance with information provided by OMEGA, either verbal or written. OMEGA warrants only that the parts manufactured by the company will be as specified and free of defects. OMEGA MAKES NO OTHER WARRANTIES OR REPRESENTATIONS OF ANY KIND WHATSOEVER, EXPRESSED OR IMPLIED, EXCEPT THAT OF TITLE, AND ALL IMPLIED WARRANTIES INCLUDING ANY WARRANTY OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE HEREBY DISCLAIMED. LIMITATION OF LIABILITY: The remedies of purchaser set forth herein are exclusive, and the total liability of OMEGA with respect to this order, whether based on contract, warranty, negligence, indemnification, strict liability or otherwise, shall not exceed the purchase price of the component upon which liability is based. In no event shall OMEGA be liable for consequential, incidental or special damages.

CONDITIONS: Equipment sold by OMEGA is not intended to be used, nor shall it be used: (1) as a “Basic Component” under 10 CFR 21 (NRC), used in or with any nuclear installation or activity; or (2) in medical applications or used on humans. Should any Product(s) be used in or with any nuclear installation or activity, medical application, used on humans, or misused in any way, OMEGA assumes no responsibility as set forth in our basic WARRANTY/DISCLAIMER language, and, additionally, purchaser will indemnify OMEGA and hold OMEGA harmless from any liability or damage whatsoever arising out of the use of the Product(s) in such a manner.