



PC-3 Laboratory Table Top Cement

PRODUCT OVERVIEW

PC-3 Laboratory Table Top Cement is a two-component, black epoxy resin compound designed to join, bond and caulk sections of laboratory counters and tables. The epoxy resin cement is heavily filled...contains no volatile solvents...will adhere to vertical surfaces without sagging...and sets at room temperature with extremely low shrinkage. It is chemically stable and bonds strongly to natural and artificial stones, most metals, glass, wood and to thermosetting resins such as polyester, phenolic and epoxy. PC-3 is available in pint units (2.5 lbs.) or quart units (5.0 lbs.) and is sold in case quantities only. A case of pints contains six units and a case of quarts contains 3 units

TECHNICAL OVERVIEW

KEY VALUES:

Mixing Ratio: One to One by Weight or Volume	Barcol Hardness: 75 (After 24 hours)
Working Life: 20 minutes (100g in 1/2-Pt. Can)	Setting Time: 1-2 Hours (.010" Film) Color: Black
Physical Properties	
Specific Gravity/Volume: 1.4 / 20 cu. in./lb.	Linear Shrinkage: .003 in/in
Tensile Strength (ASTM D638-84) 3,000 psi	Compressive Yield (ASTM D695-84) 5,000 psi
Flexural Strength (ASTM D790-87) 5,000 psi	Tensile Shear Adhesion to CR Steel 3,000 psi (ASTM D1002-72)

Preparation . . . PC-3 Cement should be stored and used in a warm environment (72° F / 23° C). Any surface to which the PC-3 will be applied should also be at least 72° F. Sand surface and wipe clean with fast drying solvent (such as acetone) prior to applying PC-3. Surface must be clean, dry, and free of all contaminants such as oil, grease, water, dust, etc. Mask adjacent areas with masking tape, then strip tape off as soon as installation is completed. Remove excess or unwanted cement with solvent before it sets.

Mixing Parts A & B – It is important that Parts A & B be mixed **accurately** in equal amounts. Excess amounts of either Part A or B will cause improper curing of the material. After dispensing equal amounts of Parts A & B, mix thoroughly for 5 minutes, making absolutely sure that you scrape the sides and bottom of the mixing container several times. If you notice streaks in the mixed material, it is not mixed thoroughly enough. Normal cure time is 24 hours.

Caution . . . PC-3 Part A is irritating to the eyes and skin. Avoid prolonged or repeated skin contact to prevent possible sensitization. Use only with adequate ventilation. If contaminated, flush eyes with water for 15 minutes and seek medical attention. Remove from skin with waterless hand cleaner, then soap and water. Read MSDS before using.

Warning . . . PC-3 Part B causes burns to the eyes, may burn the skin and cause sensitization. Vapors irritate the respiratory tract. If contaminated, flush eyes with water for 15 minutes and seek medical attention. Remove from skin with soap and water. Use only with adequate ventilation.

During the dismantling of a laboratory counter installation, care must be taken to avoid the inhalation of any dust from the epoxy cement or the counter top material itself. The method for removal is to heat up the PC-3 cement to about 130° - 150° F (hot water temperature) using flameless heat gun, then cutting away the joints with a putty knife or scraper blade. The epoxy is very “rubbery” when hot and cuts easily. If any sanding or sawing is performed, proper respiratory protection is mandatory.

Disclaimer . . . The information contained in this bulletin is considered accurate. However, no warranty is expressed or implied regarding this accuracy, the results to be obtained from the use thereof, or that any such will not infringe on a patent. User shall determine beforehand the suitability of this product for the intended application and assume all risk and liability in connection therewith.

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Phone: (212) 367-7561 Fax: (212) 243-6374
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