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TECHNICAL DATA SHEET 270

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MC-Bond Acrylic Cement

Mc-Bond Acrylic Solvent Cement is the cement of choice of plastics fabricators in the eighties and nineties. It has been used very successfully in many demanding applications including construction of aquariums, display cases, furniture and art objects. Mc-Bond is used to provide strong, clear, bubble-free, perpendicular butt joints with several plastic sheet materials.

Recommended Uses:

MC-Bond was developed for use with low molecular weight acrylic sheets such as Plexiglas MC,TM Acrylite FF,TM and extruded acrylic sheet. It is also effective with other acrylics (Plexiglas G,TM Acrylite GP,TM Lucite LTM). More recently, use has been extended to include PETG sheet, such as Virek,TM and also polycarbonate sheet. The bond formed with polycarbonate sheet is not as strong as in acrylic or PETG but is serviceable and the best achievable with one part cement.

Advantages:

MC-Bond offers the following advantages over methylene chloride:

- Provides a stronger bond than methylene chloride
- Performs uniformly over a wide range of temperature/humidity conditions
- Shows little tendency to craze sheet at the joint
- Shows little or no blushing at the joint interface
- Fast tack time moderated to prevent bubbles
- Easily drawn by capillary action to completely wet out joints as wide as 1/2 inch

Application:

Application is most frequently by hypodermic syringe to a clamped joint. This application method is especially economical and has the advantage of minimizing evaporation loss before the bond is established. The cement can also be applied by dipping a sheet edge into a tray of cement or by use of a sponge applicator.

Handling and Storage:

No solvents are completely free of hazard and MC-Bond is no exception, although the cement can be used safely with the proper precautions. The work area should be well ventilated. The finished item should not be used for food and other sensitive items until completely free of odor.

MC-Bond containers should be kept tightly closed when not in use and should be stored in a cool place. A maximum shelf life of one year is suggested. Only fresh stock of MC-Bond is shipped since our sales volume requires very frequent manufacture.

Ordering Information:

Cat. #	Description	Size
16752	Mc-Bond Acrylic Cement	4 x 1 quart 4 x 1/2 gallon Also available in bulk quantities

To Order:

In The U.S. Call: 1-800-523-2575 • 215-343-6484 In Germany Call: (49) 6221-765767
In The U.S. FAX: 1-800-343-3291 • 215-343-0214 In Germany FAX: (49) 6221-764620

Order online anytime at www.polysciences.com

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