

Specifications:

QuickSet is a clear, fast-curing cold mounting acrylic for a variety of metallographic specimens, especially printed circuit boards (PCB's) and other electronic components. It provides good edge retention and low shrinkage properties.

Mixing Ratio (by Volume)*

2:1 (Powder:Liquid)

Pot Life*

3 minutes

Curing Time*

Approximately 30-40 minutes

Curing Temperature (Maximum)

54 °C (130 °F)

Cured Hardness

94 Shore D

Cured Solubility

Insoluble in alcohol
Soluble in acetone

Appearance

Liquid: Purple, Transparent
Powder: Fine White/Clear Powder

Odor

Liquid: Strong, Fruity
Powder: Faint in bulk

Specific Gravity

Liquid: 0.89
Powder: 1.25

*The optimum mixing ratio is 2:1; however, more liquid may be added to produce a lower viscosity mixture. This will result in a slightly longer pot life and curing time.

Eliminating Bubbles

Bubbles in the acrylic occur from agitation during mixing, as well as outgassing of residue at the higher temperatures associated with curing. Cleaning the sample thoroughly prior to mounting will help eliminate bubbles caused by outgassing of residue. To prevent the formation of air bubbles, a pressure chamber is recommended, such as Allied # 175-10005.

WARNING!

Please read and be aware of the following:

HMIS	
2	Health
3	Flammability
2	Reactivity
C	Protective Equipment

HAZMAT



Flammable Liquid

Contents are flammable. Keep only in original container. Do not store contents above 25 °C (77 °F). Store in a cool, dry place, and away from heat, sparks, flame, and direct sunlight. Keep container tightly closed to prevent water absorption and contamination. Keep away from sources of ignition.

Eye/Skin Irritant

Use protective equipment to avoid contact with skin, clothing, and eyes. In case of eye contact, flush with water for 15 minutes, including under eyelids. Seek medical attention immediately. In case of clothing/skin contact, remove any contaminated clothing and wash with soap and water. If irritation occurs, seek medical attention.

Respiratory Irritant

Avoid prolonged breathing of vapors. Use NIOSH approved respirator or explosion proof exhaust ventilation.

Before the use or disposal of QuickSet, consult the MSDS for full safety precautions and measures.

Directions for Use

- 1) Degrease/clean the sample prior to mounting, using acetone, isopropyl alcohol, or ultrasonic cleaning. Air dry or heat dry to evaporate residual moisture.
- 2) Pour two (2) parts powder into a mixing cup (do not use wax-lined/coated or paper cups) and one (1) part liquid into another cup.
- 3) **Pour the powder into the liquid.** Stir gently until the powder is fully saturated. If a less viscous mixture is desired, add more liquid; this will increase the cure time.
- 4) Pour the mixture into the mounting cup over the sample.
- 5) If a pressure chamber is used, place the mounting cup into the chamber, seal, and pressurize to 30-35 psi.
- 6) After curing (approximately 20 minutes), remove the cured mount from the mounting cup.

175-10005 Pressure Chamber
3¾" Deep by 4¾" Inside Diameter

