



BUEHLER® Castable Mounting Compounds

- **Versatile Epoxy and Fast Curing Acrylic Mounting Systems**
- **Full Range of Products for All Material Applications**
- **Economical Systems for Heat and Pressure Sensitive Samples**
- **Easy to Mix and Safe to Use**
- **Widest Selection of Related Mounting Accessories and Molds**
- **Convenient Packaging for Low and High Volume Users**
- **Dispense Epoxies to Correct Ratio With the EpoEase™ Epoxy Dispensing System**

Versatile Epoxy Systems



EpoxiCure™ General Purpose Epoxide

- Excellent adhesion results in good edge protection
- Low cure temperature, 82°F (28°C), for heat sensitive samples
- Good flow characteristics
- Low shrinkage and hard mounts
- Transparent
- Solvent resistant
- 6-8 hour cure time

EpoKwick® Fast Cure Epoxy

- Air cure in 45 minutes using SamplKups®
- Good flow characteristics
- Good edge protection and hard mounts
- Transparent
- 185°F (85°C) cure temperature

EPO-MIX® Epoxide

- Premeasured, read-to-mix one ounce portions of EpoxiCure™ General Purpose Epoxide
- Same characteristics as EpoxiCure™

EpoThin® Low Viscosity Epoxy

- Free-flowing, specially formulated epoxy that fills holes and voids where other mounting materials fail
- Produces clear, bubble-free mounts, allowing full view of the embedded sample
- Low cure temperature, 80°F (27°C)
- 18-20 hour cure time means low shrinkage
- Ideal as a thin section mounting adhesive

EpoColor™ Dye Enhanced Epoxy

- Used to highlight pores and cracks which are difficult to distinguish from base material
- Appears bright red under darkfield or polarized light. No fluorescent light required
- 1-2 hour cure
- 175°F (79°C) cure temperature

Note: Adding FluorMet® Fluorescent Dye to all epoxy systems, except EpoColor, is another alternative to make identification of pores and cracks very easy. Requires fluorescent light capability on your microscope.



EpoxiCure™ has low shrinkage and hard mounts



EpoThin® is free flowing for filling small holes and voids



EpoKwick® cures in 30-45 minutes



EpoColor™ appears bright red under darkfield or polarized light

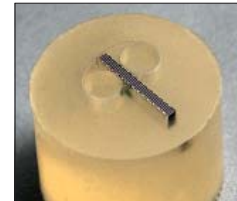
Fast Acrylic Systems



When used with Buehler's SamplKwick® Fast Cure Mounting Compound, the NelsonZimmer® 2000 System can quickly produce large volumes of accurate PCB (printed circuit board) cross-sections.

SamplKwick® Fast Cure Acrylic

- Very rapid cure: 5 minutes
- New fresh scent formulation eliminates sharp odor
- New clearer formulation
- Compatible with all types of molds and Ring Forms™
- Good penetration into holes and recesses
- Excellent edge retention when used with printed circuit boards and similar materials
- Moderate hardness and shrinkage



SamplKwick® cures in 5 minutes



VariDur™ has a 10 minute cure time and high hardness

VariDur™ High Performance Mounting Kit

- Fully cured samples in less than 10 minutes with low shrinkage
- New fresh scent formulation eliminates sharp odor
- Produces acrylic sample mounts of high hardness
- Superior abrasion resistance and edge retention
- Excellent flow characteristics due to low viscosity formulation
- Moderate exotherm

Buehler offers the widest variety of cold mounting compounds to meet your needs. For a more complete listing of Buehler's mounting supplies, please refer to the Consumables Buyer's Guide.

Ordering Information

| Acrylic Systems | | | |
|---|--------------------------|-------------|-------------|
| Type | Quantity | Resin | Hardener |
| SAMPL-KWICK® Fast Cure Acrylic (Kit No. 20-3560) | 1 lb. (0.45kg) kit | | |
| | 1 lb. (0.45kg) | 20-3562 | |
| | 5 lb. (2.3kg) | 20-3566 | |
| | 25 lb. (11.5kg) | 20-3562-025 | |
| | 100 lb. (45kg) | 20-3562-100 | |
| | 12 oz. (0.36ℓ) | | 20-3564 |
| | 64 oz. (1.92ℓ) | | 20-3568 |
| | 2½ gal. (9.6ℓ) | | 20-3564-320 |
| 5 gal. (19.2ℓ) | | 20-3564-640 | |
| VARIDUR® (formerly ULTRAMOUNT™) High Performance Acrylic Mounting Kit (Kit No. 20-3570) | 1 lb. (0.45kg) kit | | |
| | 1 lb. (0.45kg) | 20-3572 | |
| | 5 lb. (2.3kg) | 20-3576 | |
| | 12 oz. (0.36ℓ) | | 20-3574 |
| | 64 oz. (1.92ℓ) | | 20-3578 |
| Epoxy Systems | | | |
| Type | Quantity | Resin | Hardener |
| EPOXICURE™ General Purpose Epoxide | 1 qt. (0.95ℓ) | 20-8130-032 | |
| | 1 gal. (3.8ℓ) | 20-8130-128 | |
| | ½ pt. (0.24ℓ) | | 20-8132-008 |
| | 1 qt. (0.95ℓ) | | 20-8132-032 |
| EPO-THIN® Low Viscosity Epoxy | 1 qt. (0.95ℓ) | 20-8140-032 | |
| | 1 gal. (3.8ℓ) | 20-8140-128 | |
| | 1 pt. (0.47ℓ) | | 20-8142-016 |
| | 64 oz. (1.9ℓ) | | 20-8142-064 |
| EPO-KWICK® Fast Cure Epoxy (Kit No. 20-8128) | 1 qt. (0.95ℓ) kit | | |
| | 1 gal. (3.8ℓ) set | | 20-8129* |
| | 1 qt. (0.95ℓ) | | 20-8138-032 |
| | 1 gal. (3.8ℓ) | 20-8136-128 | |
| EPO-COLOR™ Dye Enhanced Epoxy | 1 qt. (0.95ℓ) | 20-8143-032 | |
| | ½ pt. (0.24ℓ) | | 20-8144-008 |
| EPO-MIX® Epoxide | 10-1 oz. (30ml) pkgs. | | 20-8133-001 |

*Resin & Hardener Only

Castable (Cold) Mounting Accessories (see Consumable Buyers Guide for full selection)

| Description | Type | Quantity | Number |
|-----------------------------------|-----------------------|-------------------|--------------|
| SAMPL-KLIP® | Stainless Steel | 100 | 20-4000-100 |
| SAMPL-KLIP® I | Plastic | 100 | 20-4100-100 |
| SAMPL-KLIP® I (small O.D.) | Plastic | 100 | 20-4100-100S |
| Specimen Support Clips | Plastic | 1000 | 20-4001-000 |
| UNICLIP Specimen Support Clips | Plastic | 100 | 20-5100-100 |
| FLOUR-MET® Flourescent Dye | Flourescent Powder | 4 oz. (0.11kg) | 20-8195-004 |
| Release Agent with Swab | | 2 oz. (0.03ℓ) | 20-8185-002 |
| Release Agent Refill | | ½ pt. (0.24ℓ) | 20-8185-008 |
| | | 1 pt. (0.47ℓ) | 20-8185-016 |
| | | 1 qt. (0.95ℓ) | 20-8185-032 |
| FLAT-EDGE FILLER | | 1.1 lb (0.5kg) | 20-8196 |

Castable (Cold) Mounting Molds

| Description | Size | Quantity | Number |
|----------------------------------|------------|----------|---------|
| SAMPL-KUPS® | 1¼" (32mm) | 12 | 20-8180 |
| Reusable Rubber Mounting Cups | 1" (25mm) | 5 | 20-8181 |
| | 1¼" (32mm) | 5 | 20-8182 |
| | 1½" (38mm) | 5 | 20-8183 |
| | 2" (50mm) | 5 | 20-8184 |

Castable (Cold) Mounting RING FORMS™ (OD Nominal)

| Description | Size | Quantity | Number |
|-------------|------------|----------|-------------|
| Phenolic | 1" (25mm) | 10 | 20-8151-010 |
| | 1" (25mm) | 100 | 20-8151-100 |
| | 1¼" (32mm) | 10 | 20-8152-010 |
| | 1¼" (32mm) | 100 | 20-8152-100 |
| | 1½" (38mm) | 10 | 20-8153-010 |
| | 1½" (38mm) | 100 | 20-8153-100 |
| | 2" (50mm) | 10 | 20-8154-010 |
| | 2" (50mm) | 100 | 20-8154-100 |

Buehler continuously makes product improvements: therefore, technical specifications are subject to change without notice.

For a complete listing of Buehler Consumable Supplies, please refer to Buehler's Consumables Buyers Guide.

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