



BUEHLER® CASTABLE (COLD) 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 EPO-EASE™ Epoxy Dispensing System

MOUNTING
COMPOUNDS

CASTABLE (COLD)

BUEHLER®



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

EPO-KWICK® Fast Cure Epoxy

- Air cure in 45 minutes using SAMPL-KUPS®
- 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™

EPO-THIN® 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

EPO-COLOR™ 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 FLUOR-MET® Fluorescent Dye to all epoxy systems, except EPO-COLOR, 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



EPO-THIN® is free flowing for filling small holes and voids



EPO-KWICK® cures in 30-45 minutes

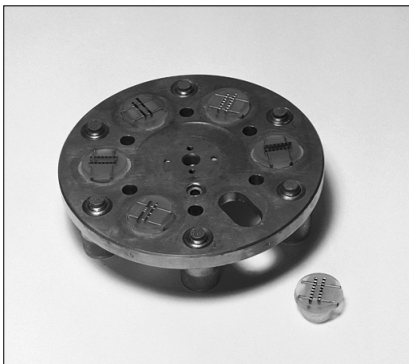


EPO-COLOR™ appears bright red under darkfield or polarized light

Fast Acrylic Systems



The EPO-EASE™ Epoxy Dispensing Systems conveniently dispense epoxies to correct ratio, eliminating the tedious weighing operation.



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

SAMPL-KWICK® 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



SAMPL-KWICK® cures in 5 minutes



VARIDUR™ has a 10 minute cure time and high hardness

VARIDUR™ High Performance Mounting Kit (formerly ULTRAMOUNT™)

- 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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