



**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 Nelson-Zimmer® 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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### BUEHLER

**BUEHLER LTD. - Worldwide Headquarters**  
41 Waukegan Road • P.O. Box 1  
Lake Bluff, Illinois 60044-1699 USA  
Tel: 847/295-6500 • Fax: 847/295-7979  
Sales: 1/800/BUEHLER • 1/800/283-4537  
Web Site: <http://www.buehler.com>  
Email: [info@buehler.com](mailto:info@buehler.com)

#### BUEHLER GMBH - European and MESA Headquarters

In der Steele 2 • 40599 Düsseldorf  
Postfach 16 03 55 • 40566 Düsseldorf  
Telefon: (49) 211 974100 • Telefax: (49) 211 9741079  
Web Site: <http://www.buehler-met.de>  
Email: [info@buehler-met.de](mailto:info@buehler-met.de)

#### BUEHLER FRANCE

Téléphone: 0800 89 73 71  
Télécopie: 0800 88 05 27  
Web Site: <http://www.buehler.fr>  
Email: [info@buehler.fr](mailto:info@buehler.fr)

#### BUEHLER UNITED KINGDOM

Telephone: 0800 707 6273  
Fax: 0800 707 6274  
Web Site: <http://www.buehler.co.uk>  
Email: [sales@buehler.co.uk](mailto:sales@buehler.co.uk)

#### BUEHLER CANADA

10 Carlow Court, Unit #2  
Whitby, Ontario L1N 9T7  
Telephone: (905) 430-4684 • Fax: (905) 430-4647  
Sales Telephone: 1-800-268-3593  
Email: [info@buehler.ca](mailto:info@buehler.ca)

#### BUEHLER, ASIA-PACIFIC

5/F Vogue Centre  
696 Castle Peak Road  
Lai Chi Kok, Kowloon  
Hong Kong, SAR, China  
Telephone: (852) 2307 0909  
Fax: (852) 2307 0233