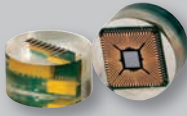


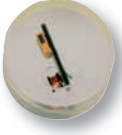





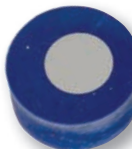
## Epoxy Systems

Material	Description	Resin		Hardener <sup>†</sup>	
		Part Number	Size	Part Number	Size
<b>EpoxiCure™ 2</b> 	<ul style="list-style-type: none"> <li>• Clear, general purpose epoxy system</li> <li>• 6hr cure time at room temperature</li> <li>• Mix Ratio: 4 parts resin : 1 part hardener by volume</li> <li>• &lt;104°F [40°C] Peak Temperature</li> <li>• ~80 Shore D Hardness</li> </ul>	20-3430-064	64oz [1.9ℓ]	20-3432-016	16oz [0.48ℓ]
		20-3430-128	1gal [3.8ℓ]	20-3432-032	32oz [0.95ℓ]
<b>EpoHeat™ 2</b> 	<ul style="list-style-type: none"> <li>• Transparent yellow epoxy system</li> <li>• Long pot-life allows product to be mixed in large batches</li> <li>• Mix Ratio: 4 parts resin : 1 part hardener by volume</li> <li>• 60min cure time in oven at 149°F [65°C]</li> <li>• &lt;338°F [170°C] Peak Temperature</li> <li>• ~75 Shore D Hardness</li> </ul>	20-3420-064	64oz [1.9ℓ]	20-3422-016	16oz [0.48ℓ]
<b>EpoThin™ 2</b> 	<ul style="list-style-type: none"> <li>• Clear, very low viscosity epoxy system</li> <li>• 9hr cure time at room temperature</li> <li>• Mix Ratio: 2 parts resin : 1 part hardener by volume</li> <li>• &lt;86°F [30°C] Peak Temperature</li> <li>• ~78 Shore D Hardness</li> </ul>	20-3440-032	32oz [0.95ℓ]	20-3442-016	16oz [0.48ℓ]
		20-3440-128	1gal [3.8ℓ]	20-3442-064	64oz [1.9ℓ]
<b>EpoKwick™</b> 	<ul style="list-style-type: none"> <li>• Clear, fast curing epoxy system</li> <li>• 90min cure time at room temperature</li> <li>• Mix Ratio: 5 parts resin : 1 part hardener by weight</li> <li>• &lt;293°F [145°C] Peak Temperature</li> <li>• ~82 Shore D Hardness</li> </ul>	20-8136-128	1gal [3.8ℓ]	20-8138-032	32oz [0.95ℓ]
		<b>Kit<sup>†</sup></b> 20-8128    Resin    32oz [0.95ℓ]    Hardener    8oz [0.24ℓ] <i>(also includes 20 paper cups, 20 stirring sticks and 12 SampleKups™, 1.25in)</i>			
		20-8129	Resin 1gal [3.8ℓ]	Hardener 32oz [0.95ℓ]	
<b>EpoColor™</b> 	<ul style="list-style-type: none"> <li>• Red epoxy system to highlight pores and cracks</li> <li>• 90min cure time at room temperature</li> <li>• Mix Ratio: 5 parts resin : 1 part hardener by weight</li> <li>• &lt;293°F [145°C] Peak Temperature</li> <li>• ~82 Shore D Hardness</li> </ul>	20-8143-032	32oz [0.95ℓ]	20-8144-008	8oz [0.24ℓ]

\*Refer to regional maps in footer for product availability  
<sup>†</sup> Restricted article, requires special packaging



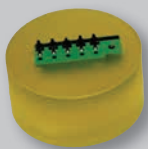


## Acrylic Systems

Material	Description	Resin		Hardener†	
		Part Number	Size	Part Number	Size
<b>SamplKwick™</b> 	<ul style="list-style-type: none"> <li>• Translucent, general purpose acrylic system</li> <li>• 5-8 minute cure time at room temperature</li> <li>• ~179°F [79°C] Peak Temperature</li> <li>• ~85 Shore D Hardness</li> </ul>	20-3562	1 lb [0.45kg]	20-3564	12oz [0.36ℓ]
		20-3566	5 lbs [2.3kg]	20-3568	64oz [1.9ℓ]
		20-3562-025	25 lbs [11.3kg]	20-3564-320	2.5gal [9.5ℓ]
		20-3562-100	100 lb [45kg]	20-3564-640	5gal [19ℓ]
		<b>Kit†</b> 20-3560 Resin 1 lb [0.45kg] Hardener 12oz [0.36ℓ] <i>(also includes measuring scoop, 5 paper cups and 10 stirring sticks)</i>			
<b>VariKwick™</b>	<ul style="list-style-type: none"> <li>• Blue, fast curing system</li> <li>• Moderate shrinkage and viscosity</li> <li>• ~5 minute cure time at room temperature</li> <li>• ~185°F [85°C] Peak Temperature</li> </ul>	20-3596	1kg	20-3597	500mℓ
		<b>Kit†</b>			
		20-3595	Resin 1kg	Hardener	500mℓ
<b>VariKleer™</b> 	<ul style="list-style-type: none"> <li>• Clear, general purpose acrylic system</li> <li>- Requires pressure vessel for clear mounts</li> <li>• 5-15 minute cure time at room temperature</li> <li>• ~212°F [100°C] Peak Temperature</li> <li>• ~84 Shore D Hardness</li> </ul>	203591 <sup>2, 3</sup>	1kg	203592 <sup>2, 3</sup>	500mℓ
		203591002 <sup>2, 3</sup>	2kg	203592001 <sup>2, 3</sup>	1ℓ
		203591010 <sup>2, 3</sup>	10kg	203592005 <sup>2, 3</sup>	5ℓ
		<b>Kit†</b> 20-3590 Resin 2.2 lbs [1kg] Hardener 16.9oz [500mℓ] <i>(also includes measuring scoop, 2 paper cups and 10 stirring sticks)</i>			
<b>VariDur™</b> 	<ul style="list-style-type: none"> <li>• Grey, low viscosity acrylic system</li> <li>• 10 minute cure time at room temperature</li> <li>• ~170°F [77°C] Peak Temperature</li> <li>• ~85 Shore D Hardness</li> </ul>	20-3572	1 lb [0.45kg]	20-3574	12oz [0.36ℓ]
		20-3576	5 lbs [2.3kg]	20-3578	64oz [1.9ℓ]
		<b>Kit†</b>			
		20-3570	Resin 1 lb [0.45kg]	Hardener	12oz [0.36ℓ]
		<i>(also includes measuring scoop, 5 paper cups and 10 stirring sticks)</i>			

\*Refer to regional maps in footer for product availability

† Restricted article, requires special packaging

## Acrylic Systems (cont'd)

Material	Description	Part Number	Resin Size	Part Number	Hardener <sup>†</sup> Size
<b>VariDur 10</b> <sup>2,3</sup> 	<ul style="list-style-type: none"> <li>Semi transparent, low odor system</li> <li>Low shrinkage, high viscosity</li> <li>8 minute cure time</li> <li>100°C Peak Temperature</li> </ul>	111027 <sup>2,3</sup>	1kg	111029 <sup>2,3</sup>	500mℓ
		111031 <sup>2,3</sup>	10kg	111033 <sup>2,3</sup>	5ℓ
		<b>Kit</b> 111037 <sup>2,3</sup> Resin 1kg                      Hardener 500mℓ <i>(also includes measuring scoop, 2 paper cups and 10 stirring sticks)</i>			
<b>VariDur 200</b> <sup>2,3</sup> 	<ul style="list-style-type: none"> <li>Dark blue, low odor system</li> <li>Low shrinkage, high viscosity</li> <li>8 minute cure time</li> <li>100°C Peak Temperature</li> </ul>	111030 <sup>2,3</sup>	1kg	111029 <sup>2,3</sup>	500mℓ
		111034 <sup>2,3</sup>	10kg	111033 <sup>2,3</sup>	5ℓ
		<b>Kit</b> 111039 <sup>2,3</sup> Resin 1kg                      Hardener 500mℓ <i>(also includes measuring scoop, 2 paper cups and 10 stirring sticks)</i>			
<b>VariDur 3000</b> 	<ul style="list-style-type: none"> <li>Blue, mineral filled acrylic system</li> <li>Hardest castable mounting system</li> <li>15-30 minute cure time at room temperature</li> <li>~252°F [122°C] Peak Temperature</li> <li>~90 Shore D Hardness</li> </ul>	203581 <sup>2,3</sup>	1kg	203582 <sup>2,3</sup>	500mℓ
		203583 <sup>2,3</sup>	10kg	203584 <sup>2,3</sup>	5ℓ
		<b>Kit<sup>†</sup></b> 20-3580    Resin 1kg                      Hardener 500mℓ <i>(also includes measuring scoop, 2 paper cups and 10 stirring sticks)</i>			

\*Refer to regional maps in footer for product availability

† Restricted article, requires special packaging

**Tips, Tricks & Techniques:**

Ring forms enable you to use castable mounting systems in central force mode. To use a ring form:

1. Place a ring form in an EPDM mounting cup
2. Place sample in cup
3. Fill with castable mounting compound of your choice
4. Remove EPDM up before grinding





## Mounting Consumables & Accessories

### Thermoplastic Cement

For adhering samples to glass slides or other specialty holders



40-8100 (qty 12)

### Mounting Wax

For adhering samples to glass slides or other specialty holders



40-8150\* Crystalbond  
7 x 0.875in  
[178 x 22mm]  
20-8145\*\* Crystalbond LT  
7 x 1 x 0.5in  
[178 x 25 x 13mm]

### Pigments for castable systems



20-8501 Blue, 1oz [3mℓ]  
20-8502 Black, 1oz [3mℓ]  
20-8504 Red, 1oz [3mℓ]

### Flat Edge Filler

Enhances edge retention in castable mounting systems.



20-8196 1 lb [0.45kg]

### Conductive Filler

Nickel-based filler makes castable mounting systems conductive



20-8500 2 lb [0.9kg]

### EpoBlue

Blue powdered dye for epoxy systems



111068<sup>2,3</sup> 25g

### Mold Release Powder



20-3048 2oz [45g]

### Mold Release Spray



20-3050-008 8oz [0.24ℓ]

### Release Agent



20-8185-002<sup>†</sup> 2oz [6mℓ]  
20-8185-008<sup>†</sup> 8oz [237mℓ]  
20-8185-016<sup>†</sup> 16oz [470mℓ]  
20-8185-032<sup>†</sup> 32oz [950mℓ]

### Silicone Mold Release



113022<sup>2,3</sup> Paste P, 100g  
113023<sup>†,3</sup> Spray, 200mℓ

### MetKleer™ Adhesive Bases



20-8188 4 x 5in  
[102 x 127mm]  
(qty 10)

### Paper Cups & Stirring Sticks



20-8177-100 Paper Cups, 5oz [148mℓ] (qty. 100)  
20-8175 Stirring Sticks, wooden (qty 1000)  
113030<sup>2,3</sup> Paper Cups, 150mℓ (qty 50)  
113031<sup>2,3</sup> Wall Holder for 113030  
113034<sup>2,3</sup> Stirring Sticks (qty 100)

SO - Special Order. Items may have long lead times and minimum orders.

\* Flows at 250°F [121°C]

\*\* Flows at 150°F [54°C]

† Restricted article, requires special packaging

## Support Clips & Clamps

Support clips are for use in supporting specimens during mounting. The weight and hardness of the clips should be considered when choosing a clip. The stainless steel SamplKlip™ is the heaviest clip, but may be too hard for use when preparing a soft material. The UniClip™ is the next heaviest clip and is softer, making it more compatible with soft materials. For metallic specimens that are to be etched after preparation, one of the polymer clips (SamplKlip I, Specimen Support Clip, or UniClip) is best to prevent interference with etching due to a stainless steel clip in contact with the specimen.

### SamplKlip Support Clip – Stainless Steel (qty 100)\*

*For use with all mounting systems.*



20-4000-100  
0.25 H x 0.550 W x 0.350in L [6 x 14 x 9mm], 0.575g

### SamplKlip I Support Clip – Plastic (qty 100)\*

*Best when used with castable mounting systems.*



20-4100-100  
0.25 H x 0.475 W x 0.3in L [~6 x 12 x 8mm], 0.230g  
  
20-4100-100S  
0.25 H x 0.425 W x 0.25in L [~6 x 11 x 6mm], 0.230g

### Specimen Support Clip – Plastic (qty 1000)†

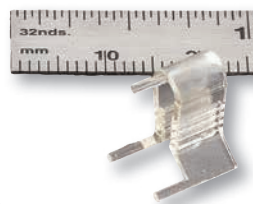
*Best when used with castable mounting systems.*



20-4001-000  
0.25 H x 0.290 W x 0.375in L [6 x 7 x 9.5mm], 0.145g

### UniClip Support Clip – Plastic (qty 100)†

*For use with all media. Orient with "legs" upward for compression mounting systems.*



20-5100-100  
0.4 H x 0.360 W x 0.500in L [10 x 9 x 13mm], 0.290g  
  
113043 Black <sup>2,3</sup>  
113068 Red <sup>2,3</sup>  
113069 Green <sup>2,3</sup>

\* Compatible with specimens up to 0.200in [5mm] thick

† Compatible with specimens between 0.0035 – 0.090in [0.9 – 2.3mm]



## Ring Forms & Castable Molds

### Disposable Mounting Cups (qty 50)

can also be used as specimen caps



20-8280	1in
20-8281	1.25in
20-8282	1.5in
20-8283	2in

### SamplKup™ (qty 12)



20-9178	1in	20-9177	25mm
20-8180	1.25in	20-9179	30mm
20-9181	1.5in	20-9182	40mm
20-9184	2in	20-9183	50mm

### EPDM Mounting Cups (qty 5)



20-8181	1in
20-8182	1.25in
20-8183	1.5in
20-8184	2in

### Silicone Molds (qty 1)



20-8483	<sup>SO</sup> 60mm
20-8484	55 x 30 x 22mm
20-8485	70 x 40 x 22mm

*SO - Special Order. Items may have long lead times and minimum orders.*

### EPDM Rectangular Molds (qty 1)



20-6185	2.5 x 1.4 x 1.8in [63 x 25 x 46mm]
20-6186	6 x 4 x 2in [150 x 100 x 50mm]
20-6187	6 x 3 x 1in [150 x 76 x 25mm]

### Plastic Ring Forms

for best results, use with epoxy systems



### Ring Forms (qty 100)

20-8151-100	1in
20-8152-100	1.25in
20-8153-100	1.5in
20-8154-100	2in

### Blue Mounting Mold (qty 1) <sup>2, 3</sup>



113001	Ø 25mm, 23mm H
113002	Ø 30mm, 25mm H
113003	Ø 32mm, 25mm H
113004	Ø 38mm, 25mm H
113005	Ø 40mm, 30mm H

113006	Ø 50mm, 30mm H
113007	Ø 60mm, 35mm H
113010	55 W x 30 D x 22mm H
113011	70 W x 40 D x 22mm H
113012	100 W x 50 D x 22mm H