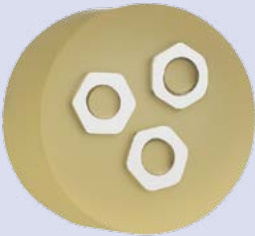





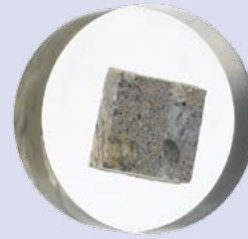


ACRYLICS						
Mounting material	VersoCit-2		ClaroCit		DuroCit-3	
						
Curing time	10 min.		20 min.		30 min.	
Shrinkage From 1-4 (1 is best)	****		***		*	
Application	For routine examination <ul style="list-style-type: none"> Routine examination of soft to medium hard materials 		For extraordinarily clear mounts <ul style="list-style-type: none"> For universal use Target preparation 		Fast curing and no shrinkage <ul style="list-style-type: none"> For medium hard and hard ferrous materials and other hard materials – including ceramics, carbides etc. For specimens where protection of layers is important e.g. coated specimens Excellent edge-retention and planeness 	
					Good edge-retention and planeness <ul style="list-style-type: none"> For non-ferrous materials and soft ferrous materials Low shrinkage Low peak temperature 	
					<i>* Affected by alcohol. When using diamond products or lubricants containing alcohol, the surface will be affected and the structure of the polymer beads will appear.</i>	
Compounds	Liquid and powder		Liquid and powder		Two liquids and one powder	
Mixing ratio weight recommended	Liquid: 10 parts Powder: 15 parts		Liquid: 6 parts Powder: 10 parts		Liquid I: 8 parts Liquid II: 4 parts Powder: 14 part	
Mixing ratio volume	Liquid: 1 part Powder: 2 parts		Liquid: 2 parts Powder: 5 parts		Liquid I: 10 parts Liquid II: 5 parts Powder: 15 part	
Mixing time	30 s		1 ½ min.		1 ½ min.	
Potlife	3 min.		1 ½ min.		4 min.	
Mounting cup	All Struers mounting cups can be used.		All Struers mounting cups can be used. Use FixiForm for the clearest mount.		All Struers mounting cups can be used.	
Peak temperature	100 °C / 212 °F		90 °C / 194 °F		138 °C / 280 °F	
Hardness	82 Shore D		85 Shore D		85 Shore D	
Colour	Dull yellowish, partly transparent		Colourless, clear (extremely clear when cured under pressure)		Light green	
Can be coloured with EpoDye			X			
Can be coloured with AcryDye	X		X		X	
Density	Liquid: 1.03 g/ml Powder: 1.16 g/ml Cured material: 1.2 g/ml		Liquid: 0.95 g/ml Powder: 0.66 g/ml Cured material: 1.2 g/ml		Liquid I: 1.05 g/ml Liquid II: 1.10 g/ml Powder: 1.26 g/ml Cured material: 1.6 g/ml	
Soluble in	Organic solvents		Organic solvents		Acetone	
Chemical resistance after curing	Resistant to the most common etching materials. Avoid stronger solvents, gasoline and concentrated acids.		Resistant to the most common etching materials. Avoid stronger solvents, gasoline and concentrated acids.		Resistant to the most common etching materials but can be coloured.	
					<i>NB! ViaFix is affected by alcohol</i>	
Products	Kit	40200089	Kit	40200072	Kit	40200095
	Powder 3 kg	40200090	Powder 3 kg	40200074	Powder 3 kg	40200081
	Liquid 1 l	40200091	Liquid 1 l	40200073	Liquid I 1 l	40200096
					Liquid II 1 l	40200097
	Kit	40200092	Kit	40200067	Kit	40200092
	Powder 3 kg	40200094	Powder 2.5 kg	40200068	Powder 3 kg	40200094
	Liquid 1 l	40200093	Liquid 1 l	40200069	Liquid 1 l	40200093

EPOXIES				
Mounting material	CaldoFix-2	SpeciFix-40	SpeciFix-20	EpoFix
				
Curing time¹	1 ½ hour in oven at 75 °C / 167 °F	3 ½ hours in oven at 50 °C / 122 °F	8 hours	Approx. 12 hours
Shrinkage From 1-4 (1 is best)	*	*	*	*
Application	For all-round vacuum impregnation <ul style="list-style-type: none"> • Short curing time • Low viscosity • Relatively hard after curing 	Extremely good adhesion <ul style="list-style-type: none"> • Relative fast curing time • Very clear colourless mounts • Cures in oven or Drybox 	For vacuum impregnation of small specimens <ul style="list-style-type: none"> • Ideal for small specimens • Very good adhesion • Very low curing temperature 	For vacuum impregnation - low viscosity <ul style="list-style-type: none"> • Can be used on all types of specimens • Extremely low curing temperature – Very good for heat sensitive specimens • Superior penetration of cracks and pores • Excellent adhesion
Compounds	Two liquids	Two liquids	Two liquids	Two liquids
Mixing ratio weight recommended	Resin: 25 parts Hardener: 7 parts	Resin: 2.5 parts Curing Agent: 1 part	Resin: 7 parts Curing Agent: 1 part	Resin: 25 parts Hardener: 3 parts
Mixing ratio volume	Resin: 31 parts Hardener: 10 parts	Resin: 10.5 parts Curing Agent: 5 part	Resin: 26 parts Curing Agent: 5 part	Resin: 15 parts Hardener: 2 parts
Mixing time	5 min.	3 min.	3 min.	2 min.
Potlife²	> 60 min.	> 60 min.	60 min.	30 min.
Mounting cup	FixiForm For rectangular mounts use FlexiForm	FixiForm For rectangular mounts use FlexiForm	FixiForm For rectangular mounts use FlexiForm	FixiForm For rectangular mounts use FlexiForm
Peak temperature	170 °C / 338 °F	100 °C / 212 °F	60 °C / 140 °F	40 °C / 104 °F
Hardness	85 Shore D	82 Shore D	84 Shore D	78 Shore D
Colour	Clear, transparent Refractive index: ND = 1.561	Clear, transparent Refractive index: ND = 1.573	Clear, transparent Refractive index: ND = 1.573	Clear, transparent Refractive index: ND = 1.578
Can be coloured with EpoDye	X	X	X	X
Density	Resin: 1.13 g/ml Hardener: 0.97 g/ml Cured material: 1.09 g/ml	Resin: 1.15 g/ml Curing Agent: 0.97 g/ml Cured material: 1.10 g/ml	Resin: 1.15 g/ml Curing Agent: 0.86 g/ml Cured material: 1.11 g/ml	Resin: 1.1 g/ml Hardener: 0.98 g/ml Cured material: 1.09 g/ml
Soluble in	Resin: Alcohol, acetone Hardener: Alcohol, acetone	Resin: Ethanol Hardener: Ethanol	Resin: Ethanol Hardener: Ethanol, water	Resin: Ethanol, acetone Hardener: Alcohol, acetone water
Chemical resistance after curing	Most common acids and bases.	Most acids (except chromic acid, sulphuric acid > 75%, nitric acid and acetic acid > 50 %), bases.	Most acids (except chromic acid, sulphuric acid > 75%, nitric acid and acetic acid > 50 %), bases.	Acids, bases, acetone, alcohol.
Products	Kit 40200084 Resin 1 l 40200085 Hardener 500 ml 40200086	Kit 40200049 Resin 1 l 40200051 Curing Agent 1 l 40200053	Kit 40200048 Resin 1 l 40200051 Curing Agent 500 ml 40200052	Kit 40200029 Resin 1 l 40200030 Hardener 500 ml 40200031

1) 30 mm dia. mount without specimen at recommended curing temperature
2) 30 g mixture at 21°C / 70 °F