

标乐(Buehler)冷镶(真空浸渍)消耗品采购指南

标乐美国出品-

环氧树脂系列:流动性好,主要适合于多孔性或存在裂纹的材料,比如岩矿材料、电子材料等。。

Epoxy Systems

Material	Description	Part Number	Resin Size	Hardener ¹ Part Number	Hardener ¹ Size
 EpoxiCure®	• Clear, general purpose epoxy system • 6hr cure time at room temperature • <130°F [55°C] Peak Temperature • ~82 Shore D Hardness	20-8130-032	32oz [0.95ℓ]	20-8132-008	8oz [0.24ℓ]
		20-8130-128	128oz [3.8ℓ]	20-8132-032	32oz [0.95ℓ]
 EpoHeat®	• Transparent yellow epoxy system • Long pot-life allows product to be mixed in large batches • 90min cure time in oven at 65° C • <338°F [170°C] Peak Temperature • ~85 Shore D Hardness	20-8120-032	32oz [0.95ℓ]	20-8122-016	16oz [0.48ℓ]
 EpoThin™	• Clear, very low viscosity epoxy system • 9hr cure time at room temperature • <130°F [55°C] Peak Temperature • ~78 Shore D Hardness	20-8140-032	32oz [0.95ℓ]	20-8142-016	16oz [0.48ℓ]
		20-8140-128	128oz [3.8ℓ]	20-8142-032	32oz [0.95ℓ]
 EpoKwick™	• Clear, very low viscosity epoxy system • 90min cure time at room temperature • <293°F [145°C] Peak Temperature • ~82 Shore D Hardness	20-8136-128	128oz [3.8ℓ]	20-8132-032	32oz [0.95ℓ]
		Kit[†] 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 128oz [3.8ℓ] Hardener 32oz [0.95ℓ]			
 EpoColor™	• Red epoxy system to highlight pores and cracks • 90min cure time at room temperature • <293°F [145°C] Peak Temperature • ~82 Shore D Hardness	20-8143-032	32oz [0.95ℓ]	20-8144-008	8oz [0.24ℓ]

丙烯酸系列: 固化时间短, 主要适合于大多数金属和陶瓷等材料。

Acrylic Systems

Material	Description	Part Number	Resin Size	Hardener [†] Part Number	Hardener [†] Size
 SampleKwick™ • Translucent, general purpose acrylic system • 5-8 minute cure time at room temperature • ~179°F [79°C] Peak Temperature • ~85 Shore D Hardness		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	2.5 gal [9.5ℓ]
		20-3562-100	100 lb [45kg]	20-3564-640	5 gal [19ℓ]
		Kit[†]			
 VariKleer™ • Clear, general purpose acrylic system - Requires pressure vessel for clear mounts • 10-15 minute cure time at room temperature • ~212°F [100°C] Peak Temperature • ~84 Shore D Hardness		Kit[†]			
		20-3590	Resin 1kg	Hardener	500mℓ
		<i>(also includes measuring scoop, 2 paper cups and 10 stirring sticks)</i>			
 VariDur® • Grey, low viscosity acrylic system • 10 minute cure time at room temperature • ~170°F [77°C] Peak Temperature • ~85 Shore D Hardness		20-3572	1 lb [0.45kg]	20-3574	12oz [0.36ℓ]
		20-3576	5 lbs [2.3kg]	20-3578	64oz [1.9ℓ]
		Kit[†]			
		20-3570	Resin 1 lb [0.45kg]	Hardener	12oz [0.36ℓ]
		<i>(also includes measuring scoop, 5 paper cups and 10 stirring sticks)</i>			
 VariDur® 3000 • Blue, mineral filled acrylic system • Hardest castable mounting system • 15-30 minute cure time at room temperature • ~252°F [122°C] Peak Temperature • ~90 Shore D		Kit[†]			
		20-3580	Resin 1kg	Hardener	500mℓ
		<i>(also includes measuring scoop, 2 paper cups and 10 stirring sticks)</i>			

[†] Restricted article, requires special packaging


Tips, Tricks & Techniques:

For best results with acrylic mounting systems:

- Quickly pour mixture into mold to prevent gelling in the mixing cup
- Do not use with vacuum systems or plastic ring forms
- Refer to MSDS for proper handling instructions: www.buehler.com/productinfo/MSDS.htm

Castable Mounting Accessories

20-8179-001 ⁵⁰	Glass Plate, 5 x 7in [127 x 178mm]	40-8151 [†]	TEM Epoxy, 2oz [6mℓ]
40-8100	ThermoPlastic Cement (qty 12)	20-8196	Flat Edge Filler, 1 lb [0.45kg]
40-8150*	Mounting Wax Crystalbond, 7 x 0.875in [178 x 22mm]	20-8500	Conductive Filler, 2 lb [0.9kg]
20-8145**	Mounting Wax Crystalbond LT, 7 x 1 x 0.5in [178 x 25 x 13mm]	20-8501 ⁵⁰	Blue Pigment for castable systems, 1oz [3mℓ]
20-8192 [†]	EdgeMet Electroless Nickel Kit®	20-8502 ⁵⁰	Black Pigment for castable systems, 1oz [3mℓ]
20-8000 ⁵⁰	Pumps for Gallon Size Epoxy Containers	20-8504 ⁵⁰	Red Pigment for castable systems, 1oz [3mℓ]
20-8177-100	Paper Cups, 5oz [148mℓ] (qty. 100)	20-3046 [†]	Silicone Mold Spray, 6oz [170g]
20-8175	Stirring Sticks, Wooden (qty. 1000)	20-8185-002 [†]	Release Agent, 2oz [6mℓ]
20-8188	MetKleer™ Adhesive Bases, 4 x 5in [102 x 127mm] (qty 10)	20-8185-016 [†]	Release Agent, 16oz [470mℓ]
		20-8185-032 [†]	Release Agent, 32oz [950mℓ]

冷镶附件系列：包括样品固定卡子等，以及标乐德国产品。请致电查询。