

## Kemet Cold Mounting Systems



The Kemet range of cold mounting resins includes acrylic and epoxy solutions. Cold mounting systems are particularly useful for delicate specimens that will not withstand the heat and pressure from a Hot Mounting press, and are also a good way of producing high volumes of mounted samples since 1 mix can produce many samples.

Type of resin	Application	Cure Time	Shrinkage	Hardness	Conductivity	Colour	Mix ratios
KEP Epoxy	General purpose epoxy with very low shrinkage	10h @ 25°C	Low	75 Shore D	-	Clear	2:1 by weight
KEPT Epoxy	Porous materials. Coatings, and electronic components	10h@ 25°C	Low	75 Shore D	-	Clear	2:1 by weight
Acrylic CLB	Conductive resin for SEM applications	30 mins	Medium	62 Shore D	Good	Black	8 (powder): 5 (liquid) by volume
Acrylic VLST	Low shrinkage transparent general purpose	10 mins	Low	90 Shore D	-	Translucent	5 (powder): 2 (liquid) by volume
Acrylic VLB	General use with fast cure time	10 mins	Low	90 Shore D	-	Blue	2 (powder): 1 (liquid) by volume
Acrylic VLXB	Ideal for hard materials	15 mins	Very Low	96 Shore D	-	Blue	2 (powder): 1 (liquid) by volume
Acrylic Yellow	Replication of sample surface	10 mins	-	87 Shore D	-	Yellow	2 (powder): 1 (liquid) by volume



### KEP/KEPT Epoxy System

Product Code	Description
600410	KEP Twin Pack 1Kg Resin, 500g hardener
600411	KEPT Twin Pack 1Kg resin, 500g hardener

### Acrylic CLB

Product Code	Description
600714	1Kg Powder / 1Litre liquid
600715	1 Kg Powder
600716	1 litre liquid

### Acrylic VLB

Product Code	Description
600703	1Kg powder / 500cc liquid
600737	1 Kg powder
600738	500cc liquid

### Acrylic VLXB

Product Code	Description
600704	1Kg powder / 500cc liquid
600739	1Kg powder
600740	500cc liquid

### Acrylic VLST

Product Code	Description
600702	1Kg powder/ 500cc liquid
600735	1Kg powder
600736	500cc liquid

### Acrylic Yellow

Product Code	Description
600699	1Kg powder / 500cc liquid
600741	1Kg powder
600742	500cc liquid

# KEMET MOUNTING SYSTEMS

## KM Acrylic Moulds (Acrylic with Aluminium base) Box of 30

Product Code	Description
600070	Single use 25mm ø
600709	Single use 30mm ø
600722	Single use 40mm ø

## Teflon Moulds Pk of 5

Product Code	Description
600723	20mm ø
600724	25mm ø
600710	30mm ø
600725	40mm ø
600726	50mm ø

## Rubber Moulds Pk of 5

Product Code	Description
600062	25mm ø
600063	30mm ø
600064	40mm ø
600727	55 x 30mm
600728	70 x 40mm
600729	100 x 50mm

## Cold Mounting Accessories

Product Code	Description
600058	Cups and stirrers (Pk 100)
600730	250cc measuring cup and stirrer (x5)
600050	Stainless Steel Clips (Pk 100)
600053	Plastic clips (Pk 100)
600157	Silicon mould release spray (500ml)

## Hot Mounting Systems (Requires Hot Mounting Press)

Hot embedding resins are extremely hard, acid-resistant and low-shrinkage. They reduce sweating and guarantee clean edges when polishing. Hot embedding resins are available in powder form and are divided into two categories:

- Thermoresistant (Phenolic or Allylic).
- Thermoplastic (Acrylic or Epoxy).



Type	Colour	Use	Size	Code
Phenolic	Black	Standard Examination of all Materials	2.5kg	600800
Phenolic	Black	Standard Examination of all Materials	25kg	600174
Phenolic	Green	Standard Examination of all Materials	2.5kg	600801
Phenolic	Green	Standard Examination of all Materials	10kg	600802
Phenolic	Red	Standard Examination of all Materials	2.5kg	600803
Phenolic	Red	Standard Examination of all Materials	10kg	600804
Phenolic	Brown	Standard Examination of all Materials	2.5kg	600805
Phenolic	White	Standard Examination of all Materials	2.5kg	600806
Phenolic with glass fibre	Black	Standard Examination of all Materials	2.5kg	600807
Allylic with glass fibre	Blue	Examination of Edges (coating, deposits, thermal treatment)	2.5kg	600813
Conductive Acrylic Copper	-	Examination of Polished and electrolytically etched materials	2.5kg	600809
Acrylic	Transparent	Standard Examination of all Materials	2.5kg	600810
Epoxy	Black	Examination of Edges	2.5kg	600811
Epoxy	Black	Examination of Edges	10kg	600812
Silicon Mould Release Spray	-	-	500ml	600157