

Kemet Diamond Polishing products are manufactured from the finest materials and to the highest standard .

PURITY

The abrasive powder in all Diamond products is **pure** diamond, no reclaimed diamond particles are permitted.

GRADING

The standard of grading of diamond particles is guaranteed to comply with the special tolerances established by us, which are equal, if not superior, to the general British, American and German grading standards of diamond powder.

PARTICLE SHAPE

The shape of the particles is 'blocky' multifaceted crystals, between cube and sphere. Irregular shapes such, as splinters, defined by having three times or more the maximum dimension at right angles to it, do not exceed 5% of the total count. Flakes exhibiting such transparency that the thickness is less than one quarter of the shortest dimension viewed do not exceed 5% of the total count.

COMPOSITION

All diamond products have the diamond particles uniformly dispersed and permanently suspended in the chemical carrier in which there are no other solid particles. When applied as instructed, the diamond products give a uniform film, free of lumps, and homogeneous.

DIAMOND CONCENTRATION

The amount of diamond powder established for each declared concentration of the various micron grades is guaranteed not to vary from batch to batch. Each concentration has a code number and this is identified on the container label.

Each micron size is available in different diamond concentrations, which are shown in the order lowest to highest, e.g. 3-KD-C4 has a *higher* diamond concentration than 3-KD-C3 and 3-L-C2 has a *higher* diamond concentration than 3-L-C1.

COMPOUND COLOUR AND DESIGNATION

The colour, which identifies each micron size, allows the operator to clearly identify the micron size of every grade of compound used. Minor variation in

Type KD Diamond Compound

Available in 5g AppliKators, 20g Syringes and Stick..

Universal Diamond compound for rapid stock removal, and superfine surface finish soluble **both** in Oil and Water based fluids.

The uniform suspension of Diamond Powders in a specially formulated high purity cosmetic quality chemical carrier, ensures that the diamond cuts and polishes with maximum effectiveness.

20g Syringe products are only available to order

	Product		Micron Size	Grade	Colour
	5g	20g			
FINAL POLISHING	P108-C1	P108/1-C1	1/10	1/10-KD-C1	Grey
	P108-C2	P108/1-C2		1/10-KD-C2	
	P107-C1	P107/1-C1	1/4	1/4-KD-C1	Grey
	P107-C2	P107/1-C2		1/4-KD-C2	
	P072-C1	P072/1-C1	1	1-KD-C1	Blue
	P072-C2	P072/1-C2		1-KD-C2	
	P072-C3	P072/1-C3		1-KD-C3	
	P073-C1	P073/1-C1	3	3-KD-C1	Green
	P073-C2	P073/1-C2		3-KD-C2	
	P073-C3	P073/1-C3		3-KD-C3	
P073-C4	P073/1-C4	3-KD-C4			
LAPPING & PRE- POLISHING	P074-C1	P074/1-C1	6	6-KD-C1	Yellow
	P074-C2	P074/1-C2		6-KD-C2	
	P074-C3	P074/1-C3		6-KD-C3	
	P109-C1	P109/1-C1	8	8-KD-C1	Red
	P109-C2	P109/1-C2		8-KD-C2	
	P109-C3	P109/1-C3		8-KD-C3	
	P109-C4	P109/1-C4		8-KD-C4	
	P075-C1	P075/1-C1	14	14-KD-C1	Brown
	P075-C2	P075/1-C2		14-KD-C2	
P075-C3	P075/1-C3	14-KD-C3			
RAPID STOCK REMOVAL	P411-C1	P411/1-C1	25	25-KD-C1	Mahogany
	P411-C2	P411/1-C2		25-KD-C2	
	P411-C3	P411/1-C3		25-KD-C3	
	P412-C1	P412/1-C1	45	45-KD-C1	Purple
	P412-C2	P412/1-C2		45-KD-C2	
	P412-C3	P412/1-C3		45-KD-C3	



Kemet KD Diamond Compound application Stick

Product	Micron Size	Grade	Colour
10g/Stick			
P108/S	1/10	KD	Grey
P107/S	1/4	KD	Grey
P072/S	1	KD	Blue
P073/S	3	KD	Green
P074/S	6	KD	Yellow
P109/S	8	KD	Red
P075/S	14	KD	Brown

For Technovit cold curing resins see pages 22.9 and 22.18

Type L Diamond Compound

Available in 5g AppliKators and 20g Syringes

Oil soluble Diamond compound specially developed for use on hard materials such as Tungsten Carbide, Hardened Steels and Ceramics for precise and superfine surface finishes.

The uniform suspension of Diamond Powders in a specially formulated cosmetic quality chemical carrier ensures that the diamond cuts and polishes with maximum effectiveness.

High thermal stability of the chemical carrier ensures that the Diamond carrier remains stable, and keeps its suspension properties under operating conditions.

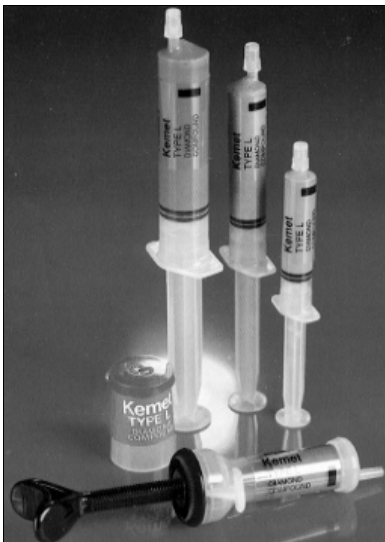


	Product		Micron Size	Grade	Colour
	5g	20g			
FINAL POLISHING	P413-C1	P413/1-C1	1	1-L-C1	Blue
	P413-C2	P413/1-C2		1-L-C2	
	P414-C1	P414/1-C1	3	3-L-C1	Green
	P414-C2	P414/1-C2		3-L-C2	
LAPPING & PRE-POLISHING	P415-C1	P415/1-C1	6	6-L-C1	Yellow
	P415-C2	P415/1-C2		6-L-C2	
	P416-C1	P416/1-C1	8	8-L-C1	Red
	P416-C2	P416/1-C2		8-L-C2	
	P417-C1	P417/1-C1	14	14-L-C1	Brown
	P417-C2	P417/1-C2		14-L-C2	
RAPID STOCK REMOVAL	P418-C1	P418/1-C1	25	25-L-C1	Mahogany
	P418-C2	P418/1-C2		25-L-C2	
	P419-C1	P419/1-C1	45	45-L-C1	Purple
	P419-C2	P419/1-C2		45-L-C2	
	P419-C3	P419/1-C3		45-L-C3	
	P419-C4	P419/1-C4		45-L-C4	

Types W & OS Diamond Compound

Available in 5g AppliKators or 20g Syringes.

The **W** grade is a water based product, designed for environments where oil based products are not permitted. The **OS** grade is an oil soluble product, but does not hold together as well as Type L for harder samples but does have a larger selection of concentrations for each grade.

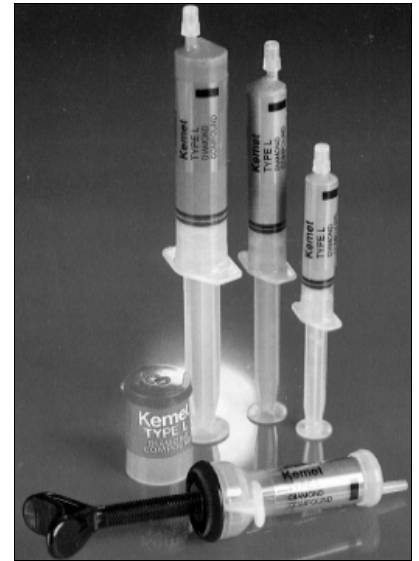


Type W

	Product		Micron Size	Grade Water Soluble	Colour
	5g	20g			
FINAL POLISHING	P420-C1	P420/1-C1	1/10	1/10-W-C1	Grey
	P420-C2	P420/1-C2		1/10-W-C2	
	P421-C1	P421/1-C1	1/4	1/4-W-C1	Grey
	P421-C2	P421/1-C2		1/4-W-C2	
	P422-C1	P422/1-C1	1	1-W-C1	Blue
	P422-C2	P422/1-C2		1-W-C2	
	P422-C3	P422/1-C3		1-W-C3	
	P423-C1	P423/1-C1	3	3-W-C1	Green
	P423-C2	P423/1-C2		3-W-C2	
	P423-C3	P423/1-C3		3-W-C3	
	P423-C4	P423/1-C4		3-W-C4	

Type W - Continued

	Product		Micron Size	Grade Water Soluble	Colour
	5g	20g			
LAPPING & PRE-POLISHING	P424-C1	P424/1-C1	6	6-W-C1	Yellow
	P424-C2	P424/1-C2		6-W-C2	
	P424-C3	P424/1-C3		6-W-C3	
	P425-C1	P425/1-C1	8	8-W-C1	Red
	P425-C2	P425/1-C2		8-W-C2	
	P425-C3	P425/1-C3		8-W-C3	
	P425-C4	P425/1-C4		8-W-C4	
	P426-C1	P426/1-C1	14	14-W-C1	Brown
	P426-C2	P426/1-C2		14-W-C2	
P426-C3	P426/1-C3	14-W-C3			
RAPID STOCK REMOVAL	P427-C1	P427/1-C1	25	25-W-C1	Mahogany
	P427-C2	P427/1-C2		25-W-C2	
	P427-C3	P427/1-C3		25-W-C3	
	P428-C1	P428/1-C1	45	45-W-C1	Purple
	P428-C2	P428/1-C2		45-W-C2	
	P428-C3	P428/1-C3		45-W-C3	



Type OS

	Product		Micron Size	Grade Oil Soluble	Colour
	5g	20g			
FINAL POLISHING	P429-C1	P429/1-C1	1/10	1/10-OS-C1	Grey
	P429-C2	P429/1-C2		1/10-OS-C2	
	P430-C1	P430/1-C1	1/4	1/4-OS-C1	Grey
	P430-C2	P430/1-C2		1/4-OS-C2	
	P431-C1	P431/1-C1	1	1-OS-C1	Blue
	P431-C2	P431/1-C2		1-OS-C2	
	P431-C3	P431/1-C3		1-OS-C3	
	P432-C1	P432/1-C1	3	3-OS-C1	Green
	P432-C2	P432/1-C2		3-OS-C2	
P432-C3	P432/1-C3	3-OS-C3			
P432-C4	P432/1-C4	3-OS-C4			
LAPPING & PRE-POLISHING	P433-C1	P433/1-C1	6	6-OS-C1	Yellow
	P433-C2	P433/1-C2		6-OS-C2	
	P433-C3	P433/1-C3		6-OS-C3	
	P434-C1	P434/1-C1	8	8-OS-C1	Red
	P434-C2	P434/1-C2		8-OS-C2	
	P434-C3	P434/1-C3		8-OS-C3	
	P434-C4	P434/1-C4		8-OS-C4	
	P435-C1	P435/1-C1	14	14-OS-C1	Brown
P435-C2	P435/1-C2	14-OS-C2			
P435-C3	P435/1-C3	14-OS-C3			
RAPID STOCK REMOVAL	P436-C1	P436/1-C1	25	25-OS-C1	Mahogany
	P436-C2	P436/1-C2		25-OS-C2	
	P436-C3	P436/1-C3		25-OS-C3	
	P437-C1	P437/1-C1	45	45-OS-C1	Purple
	P437-C2	P437/1-C2		45-OS-C2	
	P437-C3	P437/1-C3		45-OS-C3	