

Kemet

DIAMOND PRODUCTS



Kemet Diamond Products and Lapping Plates are manufactured by **Kemet International Ltd** whose quality system is registered by BSI. BSI Certificate of Registration No. Q 05919
BS EN ISO 9002 : 1994

Kemet Diamond Products

A wide range of standard and special Diamond Products formulated and manufactured in our quality controlled laboratories. Each Kemet Diamond Product is a special blend of Diamond Powder with a specific grading and concentration in a chemical carrier to give the optimum:

- ◆ Stock removal and surface finish.
- ◆ Ease of cleaning.
- ◆ Temperature resistance.
- ◆ Lubricity to prevent drying out.



We use only the best quality virgin Diamond Powder and high purity chemicals in Kemet Diamond Products.

Most Kemet products are biodegradable.

- ◆ **Diamond Grading** - The exceptionally close grading standards developed by us exceed many international standards and guarantee Kemet Diamond Products are manufactured to the closest tolerances.
- ◆ **Quality Control** - Microscopic and computer analysis of the Diamond Powder ensures that it is exactly the correct grading and shape to maximise cutting performance.
- ◆ **Consistency of Performance** - Manufactured to BS EN ISO 9002 Quality Assurance standards. Our guarantee that the quality will be consistent.
- ◆ **User Friendly** - Manufactured from high purity chemicals - safe to use and friendly to the environment.

Special Products

With changing technology, new Diamond Products are continually being developed to meet specific requirements. These products may well incorporate different types of Diamond to suit the application, e.g. Synthetic Monocrystalline, Polycrystalline or Natural Powder, suspended in unique chemical carriers. Our laboratories are available to help and develop formulations specific to your needs.

KEMET DIAMOND COMPOUNDS		
Micron Size	Mesh	Colour
0.1	140,000*	
0.25	25,000*	
1	14,000*	
3	8,000*	
6	3,000*	
8	1,800*	
14	1,200*	
25	600	
45	300	
60	230	
90	170	

*Estimated



Type KD Diamond Compound

- ◆ Worldwide - The preferred choice.
- ◆ Universal Diamond Compound for rapid stock removal and superfine surface finish.
- ◆ Soluble in both oil and water.
- ◆ Recommended for Toolroom and Precision Production applications.



TYPE KD DIAMOND COMPOUND						
	Micron	Grade	Colour	5g AppliKator	20g Syringe	10g Stick
				Code	Code	Code
FINAL POLISHING	1/10	1/10 - KD - C1	Grey	111001	111094	111181
		1/10 - KD - C2		111002	111095	
	1/4	1/4 - KD - C1	Grey	111003	111096	111182
		1/4 - KD - C2		111004	111097	
	1	1 - KD - C1	Blue	111005	111098	111183
		1 - KD - C2		111006	111099	
		1 - KD - C3		111007	111100	
	3	3 - KD - C1	Green	111008	111101	111184
		3 - KD - C2		111009	111102	
		3 - KD - C3		111010	111103	
		3 - KD - C4		111011	111104	
	LAPPING & PREPOLISHING	6	6 - KD - C1	Yellow	111012	111105
6 - KD - C2			111013		111106	
6 - KD - C3			111014		111107	
8		8 - KD - C1	Red	111015	111108	111186
		8 - KD - C2		111016	111109	
		8 - KD - C3		111017	111110	
		8 - KD - C4		111018	111111	
14		14 - KD - C1	Brown	111019	111112	111187
		14 - KD - C2		111020	111113	
		14 - KD - C3		111021	111114	
RAPID STOCK REMOVAL	25	25 - KD - C1	Mahogany	111022	111115	111188
		25 - KD - C2		111023	111116	
		25 - KD - C3		111024	111117	
	45	45 - KD - C1	Purple	111025	111118	111189
		45 - KD - C2		111026	111119	
		45 - KD - C3		111027	111120	
	60	60 - KD - C1	Orange	111028	111121	111190
		60 - KD - C2		111029	111122	
	90	90 - KD - C1	White	111030	111123	-
		90 - KD - C2		111031	111124	

The **AppliKator** (shown above) is a syringe designed to accurately meter out quantities of Kemet Diamond Compound, preventing waste and contamination.

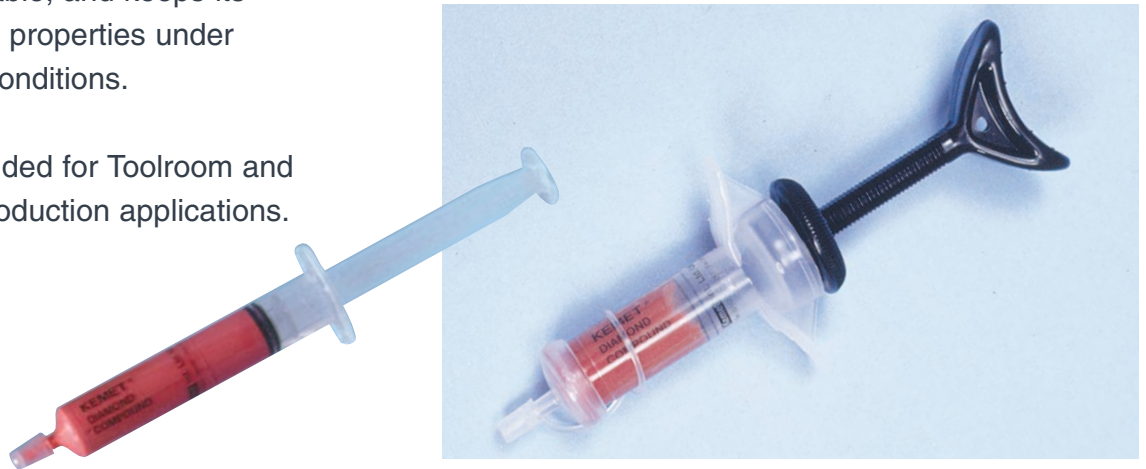
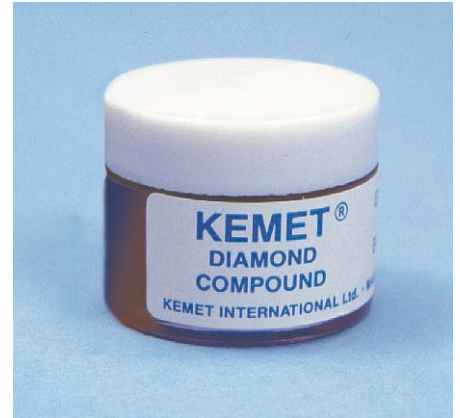


Kemet produces special Diamond Compound formulations in its laboratories to suit specific customer requirements.

Each micron size is available in a range of concentrations:- (C1 lowest concentration; C4 highest concentration).

Type L Diamond Compound

- ◆ Oil Soluble Diamond Compound specially developed for use on hard materials such as Tungsten Carbide, hardened Steels and Ceramics.
- ◆ High thermal stability of the chemical carrier ensures that Kemet Diamond Compound resists frictional heat, remains stable, and keeps its suspension properties under operating conditions.
- ◆ Recommended for Toolroom and General Production applications.



TYPE L DIAMOND COMPOUND						
	Micron	Grade	Colour	5g AppliKator	5g Dip Jar	20g Syringe
				Code	Code	Code
FINAL POLISHING	1	1 - L - C1	Blue	112001	112018	112052
		1 - L - C2		112002	112019	112053
	3	3 - L - C1	Green	112003	112020	112054
		3 - L - C2		112004	112021	112055
LAPPING & PREPOLISHING	6	6 - L - C1	Yellow	112005	112022	112143
		6 - L - C2		112006	112023	112138
	8	8 - L - C1	Red	112007	112024	112058
		8 - L - C2		112008	112025	112059
	14	14 - L - C1	Brown	112009	112026	112060
		14 - L - C2		112010	112027	112061
RAPID STOCK REMOVAL	25	25 - L - C1	Mahogany	112011	112028	112062
		25 - L - C2		112012	112029	112063
	45	45 - L - C1	Purple	112013	112030	112064
		45 - L - C2		112014	112031	112065
		45 - L - C3		112015	112032	112066
	60	60 - L - C1	Orange	112016	112033	112067
	90	90 - L - C1	White	112017	112034	112068

Each micron size is available in a range of concentrations:- (C1 lowest concentration; C3 highest concentration).

Kemet produces special Diamond Compound formulations in its laboratories to suit specific customer requirements.

Type W Diamond Compound

- ◆ Water Soluble Diamond Compound.
- ◆ Recommended for precision engineering and electronic applications where water based products are preferred.
- ◆ Ideal for use on polishing cloths.



TYPE W DIAMOND COMPOUND						
	Micron	Grade	Colour	5g AppliKator	20g Syringe	10g Stick
				Code	Code	Code
FINAL POLISHING	1/10	1/10 - W - C1	Grey	113001	113094	113170
		1/10 - W - C2		113002	113095	
	1/4	1/4 - W - C1	Grey	113003	113096	113171
		1/4 - W - C2		113004	113097	
	1	1 - W - C1	Blue	113005	113098	113173
		1 - W - C2		113006	113100	
		1 - W - C3		113007	113099	
	3	3 - W - C1	Green	113008	113101	113174
		3 - W - C2		113009	113102	
		3 - W - C3		113010	113103	
		3 - W - C4		113011	113104	
	LAPPING & PREPOLISHING	6	6 - W - C1	Yellow	113012	113105
6 - W - C2			113013		113106	
6 - W - C3			113014		113107	
8		8 - W - C1	Red	113015	113108	113176
		8 - W - C2		113016	113109	
		8 - W - C3		113017	113110	
		8 - W - C4		113018	113111	
14		14 - W - C1	Brown	113019	113112	113178
		14 - W - C2		113020	113113	
		14 - W - C3		113021	113165	
RAPID STOCK REMOVAL	25	25 - W - C1	Mahogany	113022	113115	113179
		25 - W - C2		113023	113116	
		25 - W - C3		113024	113166	
	45	45 - W - C1	Purple	113025	113118	113182
		45 - W - C2		113026	113119	
		45 - W - C3		113027	113120	
	60	60 - W - C1	Orange	113028	113121	113180
		60 - W - C2		113029	113122	
	90	90 - W - C1	White	113030	113123	-
		90 - W - C2		113031	113124	



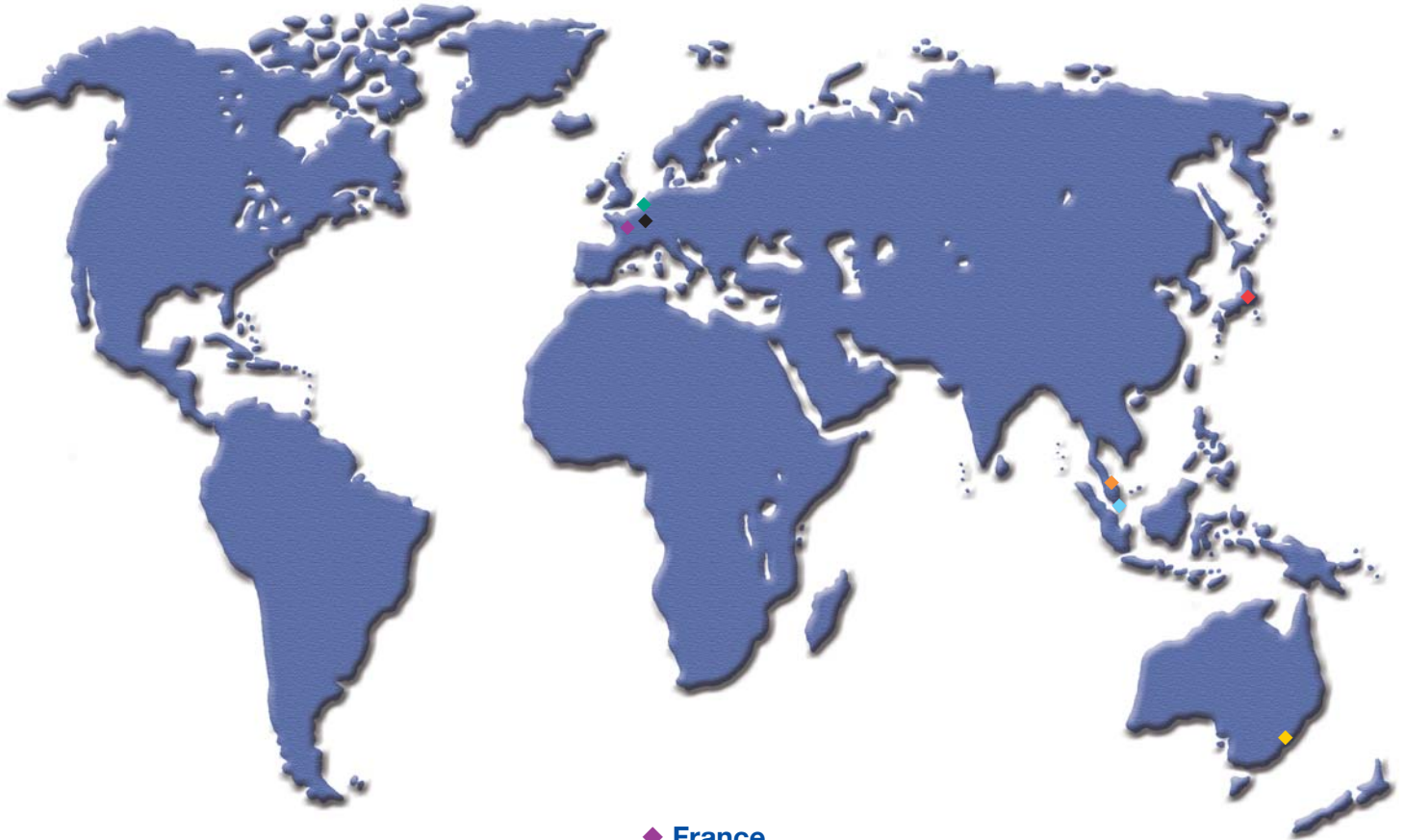
Water soluble, stick Diamond Compound manufactured with Monocrystalline Diamond Powder. Allows easy application of Diamond Compound to Lapping and Polishing Discs eliminating the need for spatulas or manual application.

Each micron size is available in a range of concentrations:- (C1 lowest concentration; C4 highest concentration).

Kemet

the world over

Kemet International Ltd. Subsidiary Companies



◆ **Netherlands**

Kemet Europe B.V.

◆ **Belgium Luxembourg**

Kemet Europe B.V.B.A.

◆ **France**

Kemet Europe S.A.R.L.

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◆ **Malaysia**

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◆ **Japan**

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Kemet Australia Pty Ltd

Kemet Products are available through a Worldwide Network of Authorised Distributors in

**Europe
Asia**

**Africa
U.S.A.**

**Middle East
Australasia**

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