

Diamond Products

Kemet Diamond Products are available in Standard grade, manufactured with Monocrystalline Diamond Powder, or in our SUPERIOR Premier grade, manufactured with Polycrystalline Diamond Powder. For Kemet Standard and Premier Grades only the highest quality virgin Diamond Powder is used, which must satisfy two important criteria - shaping and grading.



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 9001 : 2000



Diamond Compound

Water soluble diamond compound available in two types: **CM** and **CP**.

Supplied in 5g Applikators, 10g or 20g syringes.

Type CM

Standard grade high concentration containing **Monocrystalline** Diamond Powder.

Type CP

Premier grade high concentration containing **Polycrystalline** Diamond Powder particular recommended for polishing ceramics sintered materials and composites.

10g Applicator Stick

Water soluble, stick diamond compound manufactured with **Monocrystalline** Diamond Powder.

	5g	10g	20g
Micron	Code	Code	Code
1/10	115000	115040	115010
1/4	115001	115041	115011
1/2	115002	115042	115012
1	115003	115043	115013
3	115004	115044	115014
6	115005	115045	115015
9	115006	115046	115016
15	115007	115047	115017
25	115008	115048	115018
45	115009	115049	115019

	5g	10g	20g
Micron	Code	Code	Code
1/10	115020	115050	115030
1/4	115021	115051	115031
1/2	115022	115052	115032
1	115023	115053	115033
3	115024	115054	115034
6	115025	115055	115035
9	115026	115056	115036
15	115027	115057	115037
25	115028	115058	115038

	10g
Micron	Code
1/4	113188
1	113189
3	113190
6	113191
8	113192
14	113193

KEMET DIAMOND PRODUCTS

Diamond Suspension

Low viscosity, high concentration, water (W) or oil (O) soluble suspensions available in two types: **WM** or **OM** Standard grade, containing monocrystalline diamond powder and **WP** or **OP** Premier grade containing polycrystalline diamond powder.

- Uniform suspension of diamond particles.
- No agitation required.
- Suitable for dispensing by Kemet Electronic Dispenser or alternative systems.

Types OM and OP available in 400g bottles with trigger spray.

Types WM & WP available in 400g bottles with trigger spray.

Other sizes (e.g. 500ml, 1 litre and 2.5 litres) available upon request.



Type WM

Water Based Monocrystalline

400g	
Micron	Code
1/10	219001
1/4	219002
1/2	219003
1	219004
3	219006
6	219008
9	219009
15	219011
25	219012
45	219013

Type WP

Water Based Polycrystalline

400g	
Micron	Code
1/10	220001
1/4	220002
1/2	220003
1	220004
3	220006
6	220008
9	220009
15	220011
25	220012

Type OM

Oil Based Monocrystalline

400g	
Micron	Code
1/10	216321
1/4	216323
1/2	216322
1	216324
3	216326
6	216328
9	216329
15	216331
25	216332
45	216333

Type OP

Oil Based Polycrystalline

400g	
Micron	Code
1/10	216341
1/4	216342
1/2	216343
1	216344
3	216346
6	216347
9	216349
15	216350
25	216351

Kemet Liquid Diamond

new

Type KM:

Type KM liquid diamond is a low viscosity oil/water emulsion suitable for most applications aimed for the metallographic market.

The new formula has the following advantages:-

- Lower viscosity to give better stock removal
- Less inclusion pullout
- Spreads better over the polishing cloth
- Parts are easier to clean after polishing
- Stable emulsion which does not separate
- Diamond stays much longer in suspension

Kemet Type KM liquid diamond is available in the following micron sizes in 400g bottles.

Other sizes available upon request.

Type KM		
Size	Colour	Code
1/2 µm	Grey	211254
1 µm	blue	211251
3 µm	green	211253
6 µm	yellow	211252
9 µm	red	211255
15 µm	brown	211256



Diamond Spray

Micron	Code	Micron	Code
1/10	116000	3	116004
1/4	116001	6	116005
1/2	116002	9	116006
1	116003	15	116007

Water soluble spray manufactured with **monocrystalline** diamond powder. Polycrystalline spray also available.

Supplied in 100g Pump-up Spray Dispenser



Kemet Diamond Suspension AP

new

Kemet Diamond Suspension AP is a high quality alcohol based polycrystalline diamond suspension. It is ideal for polishing specimens which must not come into contact with water. It is supplied in 500ml containers. Other Micron sizes and packaging sizes are available upon request.

Description	Size	Code
Kemet Diamond Suspension AP 1 Micron	500 ml	250350
Kemet Diamond Suspension 3 Micron	500 ml	250271
Kemet Diamond Suspension 6 Micron	500 ml	250272

