

Kemet Lubricating Fluid

To ensure that Kemet Diamond Product cut and polish with maximum efficiency, five standard fluids are available, two are water based and three oil based. All are available in 2.5 litre containers, with types **W**, **W2**, **OS** and **LS** also available in 450ml bottles complete with trigger spray.

Product		Solubility	Type	Colour	Description
450ml	2.5litre				
L081	L081/1	Water	W	Clear	A low viscosity water based fluid developed for use with types KD and W Kemet Diamond Compound. Recommended for use on all Kemet Polishing Cloths as it helps to extend their life
L149	L149/1	Water	W2	Yellow	A low viscosity water based fluid developed for use with types WM WP and WX Kemet Diamond Suspensions, particularly when being used on Kemet Plates for metallurgical applications.
L082	L082/1	Oil	OS	Blue	A low viscosity oil based lubricant primarily for use with Kemet Diamond Compounds such as types KD and L . Recommended when polishing specimens.
L150	L151/1	Oil	LS	Blue	A low viscosity fluid soluble in oil and emulsifiable in water. For use with Kemet Diamond Compounds and Liquid Diamond particularly where specimens need to undergo a water based cleaning operation after lapping.
L152	L152/1	Oil	K	Clear	For use with Kemet Liquid Diamond on Kemet Flat Lapping Systems. Assists smooth running of the lapping operation and helps to ensure a cleaner process.

Kemox Abrasive

Aluminium Oxide or Silicon Carbide

Kemox is an Oil or Water based formulation containing a suspension-treated abrasive for use on lapping or polishing operations.

Kemox abrasives remain suspended in their carrier for long periods, thus giving a uniform particle distribution whilst preventing clogging and sedimentation. All are supplied in several grit sizes.

Supplied in 5 litre and 25 litre containers.

Aluminium Oxide Abrasive

Product				Approx Micron Size
Oil Based		Water Based		
5Ltr	25Ltr	5Ltr	25Ltr	
P476/O	P476/O1	P476/W	P476/W1	6
P477/O	P477/O1	P477/W	P477/W1	13
P478/O	P478/O1	P478/W	P478/W1	23

Silicon Carbide Abrasive

Product				Approx Micron Size
Oil Based		Water Based		
5Ltr	25Ltr	5Ltr	25Ltr	
P479/O	P479/O1	P479/W	P479/W1	5
P480/O	P480/O1	P480/W	P480/W1	17
P481/O	P481/O1	P481/W	P481/W1	62

The abrasive/carrier ratio is predetermined, but can be adjusted for special applications. Aluminium Oxide or Silicon Carbide are the usual abrasives in the suspension, although **Boron Carbide** is also available to special order. Typical applications include use in the abrasive systems of conventional lapping machines and for special purpose lapping machines where two parts are to be lapped together. Kemox is suitable for use on twin wheel lapping machines where it is important for the abrasive to remain in suspension.