

SUPERLAP



Brochure
USA

SUPERLAP PRODUCTS



SUPERLAP ANTI-SEIZE

Superlap Anti-Seize is an aluminum based product, used to seal parts and to avoid the seizing of components while offering protection against corrosion.



SUPERLAP BLUE PAPER

Superlap Blue Paper is strong and has a high removal rate on all metals with virtually no discoloration. It has an aggressive cutting action with high edge stability and can be used with Superlap DS Tape to make adhesive grinding discs.



SUPERLAP DIAMOND PASTE

Superlap Diamond Paste can be used for any metal. It is formulated to withstand severe lapping conditions without loss of cutting quality. It provides the best finish with no scratches. Diamond Paste is the best solution for final polishing and mirror finishing on the hardest metals or ceramics.



SUPERLAP DOUBLE SIDED TAPE

Superlap Double Sided Tape is a tough, Industrial Grade, Double Sided tape used with Superlap Blue Paper to make adhesive grinding discs on-site to any size.



SUPERLAP GREASE BASED COMPOUND WITH HARD GRIT

This hard metal compound is effective on very hard materials, completing tough work pieces in less time.



SUPERLAP GREASE BASED LAPPING / GRINDING COMPOUND

Superlap Grease Based Lapping / Grinding Compound is for automotive, industrial and general workshop use. It is used in many industries where lighter duty and frequent or fast cleaning is necessary. Suitable for use up to 100°C.



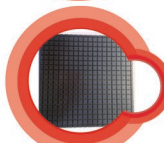
SUPERLAP HIGH DENSITY GREASE BASED COMPOUND

Superlap High Density Grease Based Compound with limited run off even at higher temperatures, is formulated for machine use or high speed operations.



SUPERLAP HMC – HDR

Superlap HMC HDR is a combination compound made up of the High Density Grease Compound with an extremely hard grit with limited run-off even at higher temperatures, formulated for machine use or high speed operations. Superlap HMC HDR is effective on hard materials, completing tough work pieces in less time with machinery.



SUPERLAP LAPPING PLATES

Superlap lapping plates are cast in any size and can be slotted vertically, horizontally or in any other pattern the customer may require.

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SUPERLAP SILICON CARBIDE GRIT

Superlap Silicon Carbide Grit is used with lapping oil to create a fluid used to lap general workshop materials. It can be used as a slurry on automated lapping machines.



SUPERLAP SUPERFICKS

Superlap Superficks is a penetrating easing oil used for stripping valves, pumps and components with high levels of corrosion. Superlap Superficks repels water and leaves the work piece lubricated with a corrosion preventing finish.



SUPERLAP WATER BASED LAPPING/GRINDING COMPOUND

Superlap Water Based Lapping / Grinding Compound is used mostly in automotive applications or where the compound is preferred to be water soluble.



SUPERLAP WHITE ALUMINIUM ALOX

Superlap White Aluminum oxide is offered in grease and water base. This is the preferred compound for nuclear applications and safety valves where post cleaning is critical, also offering a high degree of hardness.

OTHER PRODUCTS



BIRKOSIT DICHTUNGSKITT® FOR MAXIMUM TEMPERATURE AND PRESSURE RESISTANCE

BIRKOSIT Dichtungskitt®, for maximum temperature and pressure resistance, is a single-component, paste luting agent/sealing material for industrial use wherever conditions of temperature combined with pressure on smooth, plane sealing surfaces (butt joints) make extreme demands on the quality of the sealing compound. This applies, in particular, to the sealing of metallic joints in: steam and gas turbines, compressors, generators, expanders, pumps, flange joints, etc. BIRKOSIT Dichtungskitt® withstands hot steam and air, hot and cold water, light fuel Temperature oils and lubricants, as well as crude oil and natural gas at temperatures of resistance up to 900 °C. The adhesion on sealing surfaces and butt joints is so high that a one hundred Pressure percent seal is guaranteed even for pressures up to 250 bar resistance. The pressure resistance for flanges without sealing rings is guaranteed up to 450 bar, and even up to 550 bar for screw joints.



HYPREZ DIAMOND PASTE

Hyprez Diamond Paste can be used for any metal. It is formulated to withstand severe lapping conditions without the loss of cutting quality. It provides the best finish with no scratches. Hyprez Diamond Paste is the best solution for final polishing and mirror finishing on the hardest metals or ceramics.



HYPREZ LIQUID DIAMOND

Hyprez Liquid Diamond is used with lubricant. It is sprayed on lapping plates, embedding itself in the cavities of the plate providing a perfect flat lap ideal for automatic lapping machines. This easy to clean method provides the best flat finish and meets the finest tolerances.



HYPREZ LIQUID FLUID

Engis HYPREZ® Family of Lapping Lubricants

Engis offers a complete range of lubricants, which help to maintain uniform dispersion of the diamond, improve your part finish and lower your overall lapping costs through diminished use of the diamond slurry or compound.



HYPREZ POLISHING CLOTHS

Hyprez Polishing cloths are scratch free, used for superfinishing components to obtain high shine. Polishing cloths have an adhesive backing to stick on machines or surfaces.



Product Selection Guide

Method	Result	Grit		FEPA/Grit	Micron	Available Products
Polishing	Component Finishing	100,000	-			Diamond Paste Liquid Diamond Polishing Cloths
		60,000	-			
		14,000	-			
		13,000	-			
		9,000	-			
		8,000	-			
Lapping / Pre Polishing	Minimal Stock Removal	5,000	-			Diamond Paste Liquid Diamond
		4,500	-			
		2,800	-			
		1,800	-			
		1,400	-	F1500	3 micron and finer	
Extra Fine Grinding	Limited Stock Removal	1,200	-	F1200/3	7-1	Diamond Paste GB HDR HMC Silicone Carbide Powder WB White Alox
		1,050	-			
		800	-	F800/7 F1000/S5	14-2 10-1	
		600	-	F600	19-3	
Fine Grinding	Moderate Stock Removal	500	-	F500/13	25-5	Blue Paper Diamond Paste GB HDR HMC Silicone Carbide Powder WB White Alox
		323	-	F320/29 F360/23 F400/17	49-16.5 40-12 32-8	
		285	-	F280/37	59-22	
Medium Grinding	Stock Removal	240	-	F240/245	70-28	Blue Paper GB HDR HMC Silicone Carbide Powder WB White Alox
		225	-	F220	75-45	
Coarse Grinding	Rapid Stock Removal	160	-	F180	90-63	Blue Paper GB HDR HMC Silicone Carbide Powder WB White Alox
		100	-	F100 F120 F150	150-106 125-90 106-63	
Extra Coarse Grinding	Extreme Rapid Stock Removal	80	-	F80 F90	212-150 180-125	Blue paper GB HDR HMC Silicone Carbide Powder WB
		60	-	F60 F70	300-212 250-180	
		40	-			