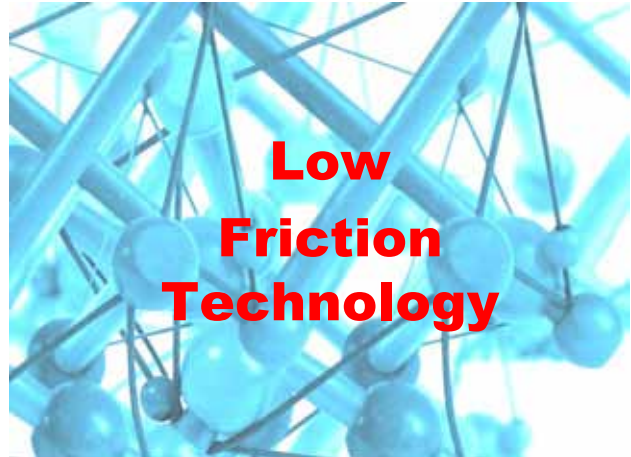


Whyco Performance Coatings



Whyco Triboslide

- Provides wet or dry lubrication extending product and component life.
- Improves component lubricity characteristics improving performance and overall better performance and reliability.
- Net lower friction in systems provides improved component efficiency, lower noise and vibration, higher operating speeds and less downtime.



Applications

- Whyco Triboslide is useful in numerous wear applications where galling, fretting and those involving various load requirements benefit from a superior lubrication system.
- Whyco Triboslide for tooling and cutting die applications provide improved machining characteristics and overall lower costs.
- Additional Whyco Triboslide applications include valve, pump and mechanical components, bearings, injection molding components including various dies and many internal drive train, braking systems and engine applications supporting the automotive and aerospace industries.



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Whyco Triboslide COATING PROPERTIES	
Coefficient of Friction (μ)	0.03 Dynamic, 0.07 Static (Triboslide vs Triboslide)
Coating Thickness	Up to 1 micron (0.00004 inches).
Load bearing capability	Similar to coated substrate: up to 300,000 PSI
Lubrication Temperature Range	Ambient: from minus 270°C to +650°C (minus 450°F to +1200°F) In Vacuum (10^{-14} Torr): from minus 188°C to +1316°C
Chemical Durability	Inert, Non-Toxic
Coating Magnetism	Non-Magnetic (unless applied over magnetic substrate)
Corrosion Stability	Not corrosive, but by itself can not prevent substrate corrosion
Coating Stability	Does not impart stress to distort or degrade surfaces
Coating Compatibility	Oil, Solvent, Fuel & other lubricants
Substrates Application	Iron, Steel, Aluminum, Copper, other Metals, Plastics & PVD or CVD surfaces
Vacuum Environment	10^{-14} Torr

Whyco Finishing Group is a recognized leader and industry resource providing innovative surface finishing technology. The group has extensive experience in developing critical programs with our customers.

We provide technical coating solutions for all major industries including Automotive, Aerospace, Military-Defense, Medical, Marine, Electronics and Industrial Machine market sectors.

Our facilities are equipped to process a wide variety of components ranging from large to small sizes, and designed to meet the most demanding customer requirements.

We are dedicated to creating value and opportunity for our customers. We focus on solving customer problems including the development of tailored processes and coating systems. Our innovations have involved processes treating the surfaces of steel, light metal alloys and plastics for both corrosion and tribological requirements.

Whyco design, manufacturing and quality assurance systems are based on conformance to industry specific standards including ISO/TS16949 Automotive, ISO9001, AS9100 Aerospace, ISO13485 Medical & ISO14001 Environmental.



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