

The Tribocoat® process can be used with any tool steels, BeCu, forged aluminum, cast iron and stainless steel. It can be welded and benched without any associated negative effect to the remaining mold. Tribocoat® works excellently with all molding materials with the exception of pure rubber, and it works very well with Silicone rubber, TPO, PVC and Santoprene.

Mold-Tech prides itself on its exceptional customer service. We want you to come back and to ensure you will, we will do everything possible to provide you with "over-the-top" quality and service. Tribocoat® is competitively priced and comes with the added benefit of yielding superior advantages when compared with any mold coating on the market today. Our normal turnaround time is 2-3 days.

Tribocoat® benefits include:

- Reduced Cycle Time
- Quick, Effortless Release
- Corrosion Resistance
- Extended Mold Life
- Improved Productivity

Mold-Tech Tribocoat® HT (High Teflon) Specifications

Type of Coating:	Electroless Nickel with 21% PTFE (Teflon) Composite Coating
Thickness Range:	0.0002 to .0015 inches +/- 0.0001 uniform across all coated surfaces
Lubricity:	Coefficient of friction 0.04
Corrosion Resistance:	Over 300 hours salt spray @0.001 thick build
Hardness:	40 Rc - 50 Rc after 500 °F for 2 Hours
Wear Resistance:	14MG. Tabor CS-10 wheel w/ 1 kg load
Operation Range:	-50 °F to +750 °F
Max Size - Steel:	70" long x 30" wide x 40" deep
Max-Size Aluminum:	72" long x 36" wide x 48" deep
Lifting Capacity:	20 tons



Mold-Tech Tribocoat® LT (Low Teflon) Specifications

Type of Coating:	Electroless Nickel with 7% PTFE (Teflon) Composite Coating
Thickness Range:	0.0002 to .0015 inches +/- 0.0001 uniform across all coated surfaces
Lubricity:	Coefficient of friction 0.06
Corrosion Resistance:	Over 300 hours salt spray @0.001 thick build
Hardness:	52 Rc - 55 Rc after 500°F for 2 Hours
Wear Resistance:	14MG. Tabor CS-10 wheel w/ 1 kg load
Operation Range:	-50 °F to +750 °F
Max Size - Steel:	70" long x 30" wide x 40" deep
Max-Size Aluminum:	72" long x 36" wide x 48" deep
Lifting Capacity:	20 tons

Mold-Tech Tribocoat® H (High Phosphorous) Specifications

Type of Coating:	Electroless Nickel (High Phosphorous)
Thickness Range:	2 to 50µm uniform across all coated surfaces
Lubricity:	Average coefficient of friction 0.35-0.45µm
Corrosion Resistance:	Over 300 hours salt spray (ASTM B 117)
Hardness:	Max 900 HV ₁₀₀ (64-66 HRc)
Wear Resistance:	9mg lost after 1000 cycles (Taber Abrader)
Operation Range:	-45 to 500 °C
Max Size - Steel:	2200 long x 1400 wide x 800 deep [mm]
Max-Size Aluminum:	Φ300 x 900 [mm]
Lifting Capacity:	25 tons

