

HVOF Coatings

Plasma Coatings offers many coatings that are applied via the HVOF technology (High Velocity Oxygen Fuel). The basic materials are the same; however HVOF utilizes particle velocities which are far greater than the other coating techniques. This difference provides superior bonding, with improved hardness and density.

Release / Low Friction

Coating	Standard Thickness	Surface Texture	FDA Compliant
2012	0.002" / 0.003"	175 +/- 50	Yes
2015	0.002" / 0.003"	200 +/- 50	Yes
2081	0.002" / 0.003"	200 +/- 50	Yes
3081	0.002" / 0.003"	175 +/- 50	Yes
21020	0.002" / 0.003"	150 +/- 50	No
21081	0.002" / 0.003"	150 +/- 50	No
28020	0.002" / 0.003"	150 +/- 50	No

The information presented in this publication is based upon the research and experience of Plasma Coatings. As every application is different, we ask that you please contact an account manager or technical representative to qualify your specific application.

Release / Traction

Coating	Standard Thickness	Surface Texture	Contains
9020	0.002" / 0.004"	175 +/- 50	Tungsten Carbide/Cobalt
9034	0.002" / 0.004"	175 +/- 50	Tungsten Carbide/Cobalt
9071	0.002" / 0.004"	125 +/- 50	Tungsten Carbide/Cobalt
9072	0.002" / 0.004"	150 +/- 50	Tungsten Carbide/Cobalt

Traction

Coating	Standard Thickness	Surface Texture	Contains
4012	0.002" / 0.003"	200 +/- 50	Nickel Chromium/Chromium Carbide
4020	0.002" / 0.003"	200 +/- 50	Tungsten Carbide/Cobalt
4034	0.002" / 0.003"	175 +/- 50	Tungsten Carbide/Cobalt
4071	0.002" / 0.003"	125 +/- 50	Tungsten Carbide/Cobalt
4072	0.002" / 0.003"	150 +/- 50	Tungsten Carbide/Cobalt

High Build Applications

Coating	Standard Thickness	Surface Texture	Contains
4020 (A)	0.008" / 0.010"	200 +/- 50	Tungsten Carbide/Cobalt
4020 (B)	0.012" / 0.015"	200 +/- 50	Tungsten Carbide/Cobalt

(Finishing – A diamond media will be required. Typical grindstock would be approx. 0.002. Finishes attainable as good as 5-7 Ra)

Plasma Coatings

A Division of American Roller

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Engineered Surface Enhancements

Release • Low COF • Traction • Corrosion Resistance • Wear Resistance • Grinding