

General Description:

Tungsten Carbide is typically considered when Chromium Carbide HVOF is not useful due to corrosion or when the customer desires a harder coating. Field experience and erosion testing have indicated the Chromium Carbide and the Tungsten Carbide HVOF coatings to be very similar in wear resistance. This specific Tungsten Carbide is less prone to cracking at higher temperatures due to greater ductility and toughness.

Application Method:

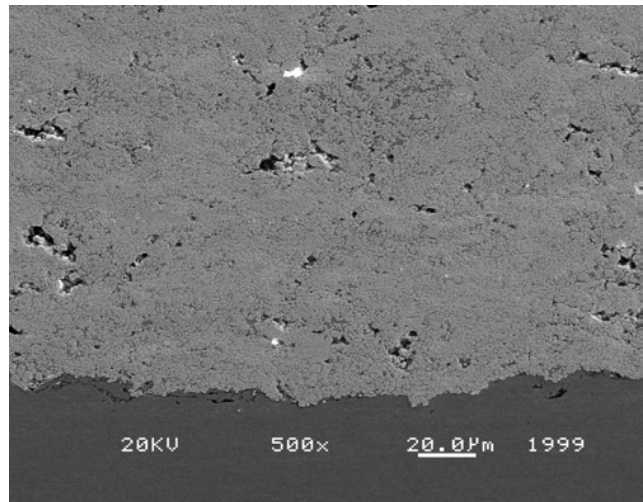
High Velocity, Oxygen Fueled

Typical Chemistry:

Carbon	5%
Cobalt	17%
Tungsten	Balance

Typical Mechanical Properties:

Hardness	950 HV average
Finished Thickness	0.006" to 0.015"
Porosity	2% maximum
Useful Temperature	>900F (>482C)
Bond Strength	10 psi minimum



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