

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.

Application Method:

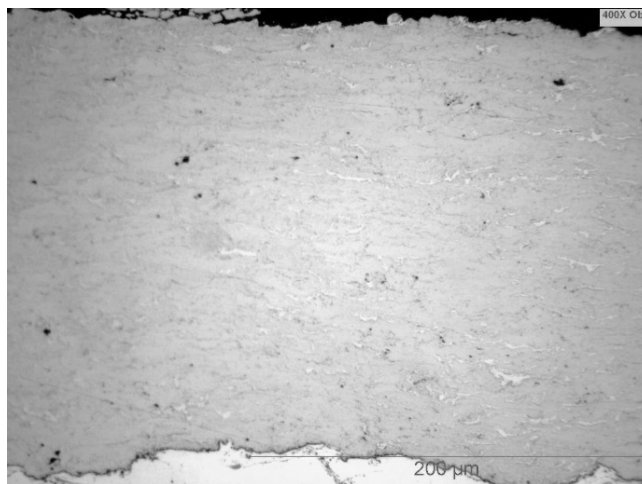
High Velocity, Oxygen Fueled

Typical Chemistry:

Chromium	4%
Cobalt	10%
Tungsten Carbide	Balance

Typical Mechanical Properties:

Hardness	950 HV minimum
Finished Thickness	0.003" to 0.008"
Porosity	2% maximum
Useful Temperature	up to 950F (510C)
Bond Strength	> 10,000 psi



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