

## PRODUCT OVERVIEW

**PMET 86-10-4** is a tungsten carbide-cobalt-chrome powder specifically designed for HVOF systems. It produces a hard, abrasive and corrosion resistant coating, with a service environment up to 850° F (450° C). High chrome like finishes can be obtained by typical grinding or lapping techniques. PMET 86-10-4 is ideal for use in a wide variety of erosive and abrasive wear applications and corrosive environments. It should be used where added corrosion protection is required versus 88WC-12Co coatings. It has proven to be an excellent alternative to hard chromium plating.

## TYPICAL DEPOSIT CHARACTERISTICS:

- ⇒ Typical Hardness: HRC 70
- ⇒ Bond Strength: 10,000+ psi
- ⇒ Powder Coverage: 0.25 oz/ft<sup>2</sup> / .001" thickness

\* powder coverage can vary depending on spray device and parameters used.

## APPLICATION

- ⇒ Hard chrome replacement
- ⇒ Fan blades
- ⇒ Compressor shafts
- ⇒ Ball and gate valves
- ⇒ Oil field apparatus
- ⇒ Other erosion and abrasion wear applications

## NOMINAL CHEMICAL COMPOSITION (wt%)

WC	Co	Cr
86.0	10.0	4.0

## RECOMMENDED SPRAY PARAMETERS:

Parameters vary depending on equipment used. Contact your equipment manufacturer for optimum spray parameters:

## STANDARD SIZES & PACKAGING:

Particle Size	Packaging	Part Number
-45/+15 microns	10 lb bottles	86104POWDER01