

PRODUCT OVERVIEW

PMET 886 is a cored wire specifically designed for arc spray systems. It produces a self-bonding nickel-chromium-aluminum deposit with excellent high temperature oxidation and corrosion resistance. PMET 886 can be used for dimensional restoration of parts and is widely used in aircraft repair market. The coating can be used as an undercoat for ceramics.

TYPICAL DEPOSIT CHARACTERISTICS:

⇒ Typical Hardness:	HRB 85-95
⇒ Bond Strength:	9500 psi
⇒ Deposit Rate:	10 lbs/hr/100A
⇒ Deposit Efficiency	70%
⇒ Wire Coverage:	0.8 oz/ft ² / mil
⇒ Surface Texture	* Variable
⇒ Machineability	Good

* Depends on air pressure used

SURFACE PREPARATION

Surface should be clean, white metal, with no oxides (rust), dirt, grease, or oil on the surface to be coated. **Note:** It is best not to handle surfaces after cleaning.

Recommended method of preparation is to grit blast with 24 mesh aluminum oxide, rough grind, or rough machine in a lathe.

APPLICATION

- ⇒ Bond coat
- ⇒ Dimensional restoration

SPECIFICATION

Ni20Cr7Al, PWA 36947D for PWA 271-47 Rev H, GEAE C07-043 for GE SPM 70-49-39, B50TF119-S11/CL D, CFMI CP6037 for 70-48-15, Honeywell FP5045, Type XVIII, Nickel Chromium Aluminum

NOMINAL CHEMICAL COMPOSITION (wt%)

Cr	Al	Ni
20	7.0	Bal

RECOMMENDED SPRAY PARAMETERS:

Diameter	Air Pressure	Voltage	Amperage	Standoff
1/16" (1.6mm)	*50-60 psi	*29-32	*100-200	*4-8 in (10-20 cm)

* Parameters are Typical and may vary depending on equipment used. Contact your equipment manufacturer for optimum spray parameters

STANDARD SIZES & PACKAGING:

Diameter	Packaging	Part Number
1/16" (1.6mm)	25# LWS	886062LWS01