

PRODUCT OVERVIEW

PMET 884 BONDRITE® is a cored wire specifically designed for either arc spraying or flame spraying. It is self-bonding to most materials and requires minimal surface preparation. Bond strengths in excess of 9000 psi can be achieved on grit blasted surfaces. PMET 884 BONDRITE® exhibits good resistance to high temperature oxidation and abrasion, and excellent resistance to impact and bending. PMET 884 BONDRITE® can be machined and ground to a finish of 5 micro inches.

TYPICAL DEPOSIT CHARACTERISTICS:

⇒ Typical Hardness:	HRB 75
⇒ Bond Strength:	9100 psi
⇒ Deposit Rate:	10 lbs/hr/100A
⇒ Deposit Efficiency	70%
⇒ Wire Coverage:	0.9 oz/ft ² / mil
⇒ Surface Texture	* Variable

* 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

NOMINAL CHEMICAL COMPOSITION (wt%)

Al	Ni
20.0	Bal

STANDARD SIZES & PACKAGING:

Diameter	Packaging	Part Number
1/16" (1.6mm)	25# LWS	884062LWS01
1/8" (3.2mm)	12.5# LWS	884125LWS01
1/8" (3.2mm)	11# LWS	884125LWS02