

PRODUCT OVERVIEW

PMET 50 is a cored wire specifically designed for arc spray systems. It produces a well bonded coating with high hardness. It has the unique ability to produce either smooth or very rough profile coatings for non-slip applications. **PMET 50** coatings have excellent machinability. Typical applications include non-slip coatings for walkways and stairs, gripping rolls and bond coats.

TYPICAL DEPOSIT CHARACTERISTICS:

- ⇒ Typical Hardness: HRC 35
- ⇒ Bond Strength: 8000 psi
- ⇒ Deposit Rate: 10 lbs/hr/100A
- ⇒ Deposit Efficiency: 70%
- ⇒ Wire Coverage: 0.6 oz/ft² / mil
- ⇒ Machinability: 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 Coats
- ⇒ Anti-Skid
- ⇒ Traction Rolls
- ⇒ Part Restoration

NOMINAL CHEMICAL COMPOSITION (wt%)

Al	C	Mn	Fe
5.5	2.0	0.8	Bal

RECOMMENDED SPRAY PARAMETERS:

Diameter	Air Pressure	Voltage	Amperage	Standoff
1/16" (1.6mm)	*20-60 psi	32	100-150	*4-8 in (10-20 cm)

Parameters are typical for most arc spray systems. Contact the equipment manufacturer for specific system parameters

STANDARD SIZES & PACKAGING:

Diameter	Packaging	Part Number
1/16" (1.6mm)	25 lb spools	050062LWS01