

PRODUCT OVERVIEW

PMET 540 is a 99.99% pure zinc wire specifically designed for spraying in arc spray and flame spray systems. It produces a dense, well bonded coating that is ideal for corrosion protection of steel, electrical conductivity, applications and mold making. It is also used as a bond coat when spraying metals onto non-metallic substrates.

TYPICAL DEPOSIT CHARACTERISTICS:

⇒ Typical Hardness:	70 RB
⇒ Bond Strength:	1200 psi
⇒ Deposit Rate:	24 lbs/hr/100A
⇒ Deposit Efficiency	70%
⇒ Wire Coverage:	0.9 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

- ⇒ Corrosion protection of steel
- ⇒ Capacitors
- ⇒ Mold making

NOMINAL CHEMICAL COMPOSITION (wt%)

Zn
99.99

RECOMMENDED SPRAY PARAMETERS:

Diameter	Air Pressure	Voltage	Amperage	Standoff
.062", .079", .125"	*50-70 psi	*21-23	*100-350	*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	540062LWS01
5/64" (1.9mm)	25# LWS	540079LWS00
1/8" (.125mm)	50# COIL	540125COIL01