

## 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 <sup>2</sup> / 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
- ⇒ Tube mills

## 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# Spools	540062LWS00
1/16" (1.6 mm)	250# Drums	540062DRUM01
1/16" (1.6 mm)	500# Drums	540062DRUM00
0.079" (2.0 mm)	25 # Spools	540079LWS00
0.079" (2.0 mm)	500# Drums	540079DRUM00
0.125" (3.2 mm)	50 # Coils	540125COIL00
0.125" (3.2 mm)	500 lb. Drums	540125DRUM00