

PRODUCT OVERVIEW

PMET 223 is a cored wire specifically designed for arc spray systems. It produces a hard, well bonded coating that is abrasive and corrosion resistant. PMET 223 can be easily machined with carbide tools, yielding a smooth, low coefficient of friction surface finish, suitable for a number of applications.

TYPICAL DEPOSIT CHARACTERISTICS:

⇒ Typical Hardness:	HRC 39-42
⇒ Bond Strength:	5000 psi
⇒ Deposit Rate:	8 lbs/hr/100A
⇒ Deposit Efficiency	70%
⇒ Wire Coverage:	1.0 oz/ft ² / mil
⇒ Surface Finish	Grind **

** Grind using aluminum oxide

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

- ⇒ Boiler Tubes & Tube Shields
- ⇒ Fan Blades
- ⇒ Food Processing
- ⇒ Paper Processing

NOMINAL CHEMICAL COMPOSITION (wt%)

Cr	Ni	C	Mn	Si	Mo	Fe
26.0	3.0	1.7	1.6	1.6	0.8	Bal

RECOMMENDED SPRAY PARAMETERS:

Diameter	Air Pressure	Voltage	Amperage	Standoff
1/16" (1.6mm)	*60 psi	*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	223062LWS01