

TH226 Boron Carbide

DESCRIPTION

TH226 is a high purity nickel chrome moly boron wire specifically designed for arc spraying. It produces dense, well-bonded coatings with good resistance to corrosion. Adding the boron carbide in the coating makes it very hard and wear resistant.

TYPICAL DEPOSIT CHARACTERISTICS:

- Bond Strength 5800 psi
- Typical Hardness HRB 95-100
- Deposit Rate 18 lbs./hr./100A
- Deposit Efficiency 80%
- Wire Coverage 2 sq. ft./lbs. @ 12 mils
- Surface Texture Variable
- Machinability Good

SURFACE PREPARATION:

Surface should be clean, white metal, with no oxides (rust), dirt, grease, or oil on the surface to be coated. 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.

APPLICATIONS:

- High temperature wear & corrosion resistance coatings
- Waste to energy boiler tubes
- Digesters

NOMINAL CHEMICAL COMPOSITION (wt%):

Ni	Cr	B	Mo	Si	Fe	C
Bal	31.0	4.0	3.0	2.5	2.0	2.0

RECOMMENDED SPRAY PARAMETERS:

Diameter	Air Pressure	Voltage	Amperage	Standoff
1/16" (1.6mm)	*50-60 psi	*29-32	*150-300	*4-6 in

*Parameters are typical and may vary depending on equipment used.

STANDARD SIZES & PACKAGING:

Diameter	Packaging
1/16 (1.6mm)	25#