

TUFF-888 Amorphous

DESCRIPTION:

TUFF-888 Amorphous is a cored wire specifically designed for arc spray process for a boiler tube application. It produces a partially amorphous, hard, erosion and corrosion resistant coating, with a service environment up to 950° C. High quality finishes can be obtained by typical grinding and lapping techniques. TUFF-888 Amorphous is used in a wide variety of high wear applications, anti-skid surfacing applications and corrosive environments.

TYPICAL DEPOSIT CHARACTERISTICS:

- Bond Strength: 45 MPa
- Typical Hardness: 1200 – 1500 HV
- Deposit Rate: 8 kg/ hr/ 150-200 Amps
- Deposit Efficiency: 70-80%
- Wire Coverage: 0,4 – 0,5 m²/kg @ 300 micron thickness

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. We recommend a 3.5 mil minimum anchor tooth profile.

APPLICATIONS:

- Boiler Tubes & Tube Shields
- Yankee Dryer Rolls
- Fan Blades
- Drill Collars
- Others