

File: 1.9.2.2P-1260F
Issue: M10523
Original Issue

POWDER CHARACTERISTICS

TAF 1260F 50 % NICKEL - 50% CHROMIUM

Summary:

This powder is made exclusively for thermal spraying. Spraying with TAF 1260F powder produces a dense, well-bonded, hard coating suited for restoration and protection against corrosion, and erosion by hot gases. TAF 1260F is useful for surface protection of paper mill or fossil fuel power plant boiler tubes.

Caution: All TAF powders are produced to exacting specifications and have been optimized for use with the JP-5000 HP/HVOF and Plazjet plasma spray processes. Use of other powders may not produce the properties listed in this bulletin.

Applications:

Coatings of 1260F have provided long term protection to boiler tubes against high temperature sulfidation. The wrought material is highly resistant to sulphur and vanadium atmospheres up to 1800°F (982°C). Tests established a 0.002" (0.05 mm) per year corrosion rate over a nine year period when applied in the super heater section of black liquor recovery boilers.

- Boiler tubes
- Chemical tank walls
- Oxidizing Atmospheres and Solutions:
 - Chromic acid
 - Nitric acid
 - Concentrated Sulphuric acid
 - Oxidizing salts

Please consult your TAF coatings applications engineer for additional help in solving specific coating requirements.

Copyright © 1997, TAF Incorporated, Concord, N.H. - USA. All rights reserved.

Composition:**Weight %**

Nickel	50
Chromium	50

Particle Size:**-270/D mesh****Hazards:**

Observe normal spraying practices. Respiratory and hearing protection is advised. For general guidelines see AWS Publication C2.1-73, and AWS TSS-85. Thermal spraying is a safe process when performed in accordance with proper safety measures. For further information on HVOF coatings, equipment and supplies, as well as other thermal spray processes and custom automated systems

For further information on HVOF coatings, equipment and supplies, as well as other thermal spray processes and custom automated systems, contact:

**Tafa Incorporated
146 Pembroke Road, Concord, NH 03301
Phone 603-224-9585
Fax 603-225-4342**