



# APTICOTE 800-126

## Iron Chromium Stainless Steel

POETON  
EST. 1898

**Apticote 800-126** is a chromium steel based alloy that also contains other alloying elements including nickel and manganese.

It provides excellent corrosion and wear resistance properties. A relatively thick coating, it is hard and also displays low shrink properties.

Apticote 800-126 is suitable for use in salvage and restoration applications such as cylinder liners, pistons, valve stems and hydraulic rams.

It is a good choice when coating components that are curved such as small diameter shafts.

### TYPICAL APPLICATIONS

- Salvage and restoration
- Pump sleeves, impellers, & valves
- Small diameter shafts
- Printing rollers
- Machinery
- Power generation

### KEY FACTS

Classification	Wire, Fe-based (FeCr Steel)
Purpose	Corrosion, wear resistance & salvage
Process	Combustion Wire Spray

### TECHNICAL INFORMATION

Available Wire Diameters	3.2mm
Composition	13% Cr, 0.5% Ni, 0.5% Mn, 0.35% C, 0.25% Si, 0.54% other
Deposit Efficiency	≥ 70 %
Melting Point	1426°C
Density	6.74g/cm <sup>3</sup>



### CENTRE OF EXCELLENCE

Apticote 800-126 is applied at the Poeton Thermal Spray Centre of Excellence in Gloucester.

This state-of-the-art facility features modern spraying equipment, run by expert engineers, to provide the highest quality thermal spray finishes.