

Introduction

Nickel – 5 % Aluminum powder is the ideal material for the restoration of worn or mismachined components. It is commonly used in HVOF, plasma spraying and combustion powder thermal spray. It has good oxidation and abrasion resistance. It is also good for general repair and build-up meanwhile it is recommended for used as oxidation resistant bond coats which can be used below 800°C(1470°F). It produces dense, well-bonding coating and self bonding to most metallic surfaces.

Equivalent: Metco 480/450, FST M-358/359, Praxair NI 185/970/109, Amperit 280/281

Chemical Composition

Ni	Al	Other
95%	4-5%	< 1.0

Applications

- Salvage and build-up for restoration applications
- Be used in applications where corrosion resistance is critical
- Self bonding to most metallic surfaces

Physical Properties

Morphology	Spherical
Working Temperature	< 800°C(1470°F)
Apparent density	3.5-4.5 g/cm ³

Packaging

Bottle	5kg/bottle 4 bottles/box
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