

Introduction

NiCr8020 is a powder that is manufactured by water atomization with a characteristic irregular particle shape or by gas atomizaion. It contains premium nickel raw materials with spheroidal shape ensuring freely flowing powder feed during thermal spray processing. The powder can resist hot oxidizing,corrosive gases and prevent scaling on carbon or low alloy steels.

Equivalent: Metco 43/5640/4535, FST M-301/302, Praxair NI 105/106/107/1262, Amperit 250/251

Chemical Composition

Si	Cr	Fe	Ni	Mn	Other
1.2%	19.5%	1.0%	Bal.	1.5%	< 0.5%

Applications

- Good bond coat for ceramic top coats
- Dense, abrasion and oxidation resistant coatings for salvage and build up applications, such as on carbon and low alloy carbon steel substrates
- Products with well particle size distributions generally produce well coatings
- sprayed surfaces finishes, which may be desirable when post-coat machining of the coating will be performed

Physical Properties

Morphology	Spherical or irregular
Working Temperature	1000°C
Apparent density	3.1-4.6 g/cm ³

Packaging

Bottle	5kg/bottle 4 bottles/box
---------------	--------------------------