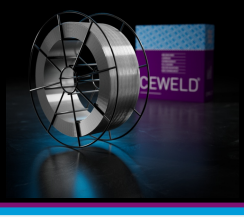


CEWELD SP 80/20 NiAl

certilas® THE FILLER METAL SPECIALIST

TYPE	Composite spray wire for bond coatings
ANWENDUNGEN	SP 80/20 NiAl is widely used as a bond coat for subsequent thermal spray layers and as a one step build up material for dimensional restoration of aircraft engines.
EIGENSCHAFTEN	SP 80/20 NiAl is a cored wire specifically designed for both, arc spraying and flame spraying. It is self bonding to most materials and requires minimal surface preparation. Bond strengths in excess of 9000 psi can be achieved on grit blasted surfaces. SP 80/20 NiAl exhibits good resistance to high temperature oxidation and abrasion, and excellent resistance to impact and bending. SP 80/20 NiAl can be machined and ground to a finish of 5 micro inches.
KLASSIFIKATION	EN ISO 14919: 6.6
GEEIGNET FÜR	Build up material for dimensional restoration of aircraft engines.
ZULASSUNGEN	
SCHWEISSPOSITIONEN	

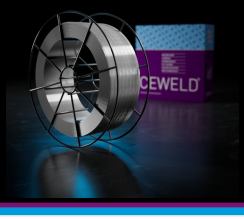
TYPISCHE CHEMISCHE ANALYSE DES FÜLLMETALLS (%)

Si	Mn	Fe	Al	Ni
0.4	0.2	0.1	20	Rem.

MECHANISCHE GÜTEWERTE

Heat Treatment	$R_{P0,2}$ (MPa)	Rm (MPa)	A5 (%)	Hardness
As Welded				75 HB

RÜCKTROCKNUNG	Not required
GAS ACC. EN ISO 14175	None



CEWELD SP 80/20 NiAl

SP 80/20 NIAL 3,15MM

Packaging	KG/unit	EanCode
K-415	5	8720663410030