CEWELD®

SP (A) 80/20 NiAl

CATEGORY	Metal spra	y wires
TYPE	•	spray wire for bond coatings equivalent to Metcoloy 405
APPLICATIONS	SP 80/20 N	liAl is widely used as a bond coat for subsequent thermal spray layers and as a one step build up r dimensional restoration of aircraft engines.
PROPERTIES	to most ma achieved o abrasion, a	liAl is a cored wire specifically designed for both, arc spraying and flame spraying. It is selfbonding aterials and requires minimal surface preparation. Bond strengths in excess of 9000 psi can be in grit blasted surfaces. SP 80/20 NiAl exhibits good resistance to high temperature oxidation and and excellent resistance to impact and bending. SP 80/20 NiAl can be machined and ground to a micro inches.
CLASSIFICATION	AWS	Ni80-Al20 deposit
APPROVALS	CE approve	ed
WELDING POSITIONS:	\mathbb{X}	

PURE WIRE ANALISYS

Ni	Al	Si	Cr	Cu	V
80	20				

MECHANICAL PROPERTIES

Heat	R _{P0,2}	Rm	A5	lm	pact Energy (J) IS	O-V	Hardness
Treatment	(N/mm ²)	(N/mm ²)	(%)	-20°C	-40°C	-60°C	Rockwel B
							60-75

SPRAY PARAMETERS / PACKING

		Spray pa	rameters		Packi	ng
D (mm)	Voltage (V)	Current (A)	distance (cm)	air pressure (bar)	spool type	kg spool
1,6	29-32	100-200	8-15	3.5-4.2	K-300	15
3,17	29-34	160-300	10-18	3.5-4.2	H-420	25

REDRYING TEMPERATURE	not required
PREPARATION	Recommended method of preparation is, to grit blast with 24 mesh aluminum oxide, rough grind, or rough machine in a lathe.