



CEWELD SP 95/5 (NiAl)

TYPE SP 95/5 is a Nickel-Aluminum based alloy for use as a bonding layer with the thermal spray process

APPLICATIONS New coatings on machine parts and shafts to increase life, rebuilding wornout parts etc. Layer thickness: approximately 0.1- 0.15 mm.

PROPERTIES This alloy offers the highest bonding properties available for both the Flame spray process as the Arc Spray process. The wire has a high polished and clean surface to assure the best feeding and thermal spray properties. Sprayed layers of this material are-resistant to variation in high temperatures and are used as a buffer layer for all other spraying alloys. Hardness, coating macro: approximately HRc 22. Maximum working temperature: approximately 850 °C

CLASSIFICATION EN ISO 14919: 6.5

SUITABLE FOR Shafts, Clutches, Gliding surfaces, Valves, Bond coatings etc.

APPROVALS

WELDING POSITIONS



TYPICAL CHEMICAL ANALYSIS OF THE FILLER METAL (%)

Si	Mn	Ti	Fe	Al	Ni
0.2	0.2	0.2	0.1	5.2	Rem.

MECHANICAL PROPERTIES

Heat Treatment	R _{P0,2} (MPa)	R _m (MPa)	A5 (%)	Hardness
As Welded				75 HB

REDRYING Not required

GAS ACC. EN ISO 14175 None