



CEWELD SP 80/20 NiCr

TYPE Metal spray wires

APPLICATIONS SP 80/20 NiCr is widely used as a bond coat for subsequent thermal spray layers and as a one step build up material for dimensional restoration. Excellently suitable as a buffer layer before finishing with ceramic layers.

PROPERTIES CEWELD SP 80/20 NiCr is a nickel-chromium electrical-resistance alloy for use at operating temperatures up to (2100 °F) 1150 °C. It contains rare-earth additions for increased oxidation resistance, especially under conditions of frequent switching or wide temperature fluctuations. The alloy has a low temperature coefficient of resistance, making it suitable for control resistors. Used for heating elements in domestic appliances and industrial equipment.

CLASSIFICATION EN ISO 14919: 6.4

SUITABLE FOR NiCr metal spray wire for heat resistant coatings with excellent bonding strength.

APPROVALS

WELDING POSITIONS



TYPICAL CHEMICAL ANALYSIS OF THE FILLER METAL (%)

Si	Mn	Cr	Fe	Cu	C	Ni
0.12	0.25	20	0.2	0.1	0.02	Rem.

MECHANICAL PROPERTIES

Heat Treatment	R _{P0,2} (MPa)	R _m (MPa)	A ₅ (%)	Hardness
As Welded				90 HRc

REDRYING Not required

GAS ACC. EN ISO 14175 None



CEWELD SP 80/20 NiCr

SP 80/20 NICR 1,6MM

Packaging	KG/unit	EanCode
BS-300	15	8720663409959
BS-300	15	8720663409966