Exaton Ni41Cu

Exaton Ni41Cu welding wire is suitable for overlay welding when a deposit with chemistry corresponding to UNS N08825 is required. The weld deposit is a nickel-iron-chromium-molybdenum-copper alloy suitable for use in corrosive environments. Exaton Ni41Cu has very good resistance to stress corrosion cracking (SCC) in chloride containing environments and is particularly suited for use in reducing environments such as those containing sulphuric and phosphoric acids. Exaton Ni41Cu is used for corrosion resistant alloy surfacing of components in the chemical, pollution control, oil & gas and petrochemical industries and often in connection with sour gas service. Typical components are tanks, heat exchangers, evaporators, transport pipes and scrubbers etc.

Specifiche	
Classificazioni	SFA/AWS A5.14 : ERNiFeCr-1 EN ISO 18274 : S Ni 8065 (NiFe30Cr21Mo3)

Tipo di lega	Alloyed nickel (Ni + 22% Fe, 27% Cr, 3% Mo)

Propriet tensili tipiche			
Stato	**Resistenza allo snervamento**	**Resistenza alla trazione**	**Allungamento**
ISO			
Come saldato	338 MPa	546 MPa	47 %

Propriet prova Charpy con intaglio a V		
Stato	**Temperatura di prova**	**Valore tenacit**
ISO		
Come saldato	-196 °C	190 J

analisi tipica del deposito									
C	**Mn**	**Si**	**S**	**P**	**Ni**	**Cr**	**Mo**	**Al**	**Cu**
0.02	0.6	0.3	0.001	0.016	42	22.4	2.9	0.1	2.2

analisi tipica del deposito		
Ti	**PRE**	**Fe**
1	28	24

Typical Wire Composition %									
C	**Mn**	**Si**	**S**	**P**	**Ni**	**Cr**	**Mo**	**Cu**	**Ti**
0.02	0.8	0.15	0.003	0.01	43.0	22.0	3.0	1.9	1.0

Typical Wire Composition %
Fe
24.4