



# CEWELD E DUR 25U

TYPE	Cobalt-based thermo shock resistant alloy for overlay applications																	
APPLICATIONS	Cladding valve seats, Gasturbine components. Metal working tools like piercing points, forming tools and extrusion dies that are exposed to metal on metal wear in combination with thermal fatigue. Also furnace hardware																	
PROPRIÉTÉS	CEWELD E DUR 25U is a Cobalt based electrode developed to resist high impact load, high heat, thermal shock, hot corrosion, compression, abrasion, erosion and many other forms of attack. The weld deposit is machinable with carbide tools.																	
CLASSIFICATION	EN ISO 14700: ~E Co1 DIN 8555: E 20-UM-300- CTZ																	
CONVIENT POUR	Valves in chemical and steam plants, Gasturbine components, Tong bits, Share blades, Hot forging and stamping tools, Hot dies, Aerospace industry, Turbo charger buckets, Hot liquid pumps etc.																	
AGRÉMENTS																		
POSITIONS DE SOUDAGE	 PA  PB  PC																	
ANALYSE CHIMIQUE TIPIQUE DU MÉTAL DE SOUDURE (%)	C	Mn	Cr	Ni	Mo	Fe	W	Co										
	0.1	2	20	10	1	3	15	Rem.										
PROPRIÉTÉS MÉCANIQUES	<table><thead><tr><th>Heat Treatment</th><th><math>R_{P0,2}</math> (MPa)</th><th>Rm (MPa)</th><th>A5 (%)</th><th>Hardness</th></tr></thead><tbody><tr><td>As Welded</td><td></td><td></td><td></td><td>25 HRc</td></tr></tbody></table>								Heat Treatment	$R_{P0,2}$ (MPa)	Rm (MPa)	A5 (%)	Hardness	As Welded				25 HRc
Heat Treatment	$R_{P0,2}$ (MPa)	Rm (MPa)	A5 (%)	Hardness														
As Welded				25 HRc														
ETUVAGE	Not required																	
GAS ACC. EN ISO 14175																		