

COROLIT E 12

DIN EN 14700

E Co 3-50-CTZ

AWS

ERCoCr-B

AC-weldable hardfacing electrode with a rutile-basic coating and an alloyed core. The deposit is a cobalt base alloy of austenitic-ledeburitic structure with embedded Cr-W- carbides. The weld metal is highly resistant to corrosion, impact, abrasive wear as well as thermal shocks

and heavy mechanical impact. The toughness and the hardness are between COROLIT 1 and COROLIT 6. It is more abrasion resistant than COROLIT 6 but more resistant to temperature shocks and tougher than COROLIT 1. The deposit is only machinable by hard faced tools.



Hardfacing of cutting edges of long knives and other tools used in the wood, plastic, paper, carpet and chemical industry.

TYPICAL ALL WELD METAL ANALYSIS (%)					Base = Fe
C	Si	Mn	Cr	W	Fe
1,4	1,0	1,0	28,0	8,5	< 3
HARDNESS HRc		CURRENT		POSITIONS	
45 - 48		+ / ~ 42 V		PA, PB, PC	
			REBAKING if required		
			1h at 150°C		

ELECTRODES

DIAMETER AND FORMS OF DELIVERY ON REQUEST