

Corodur Fülldraht GmbH sales@corodur.de www.corodur.de Tel.: +49 (0) 2154 8879 - 0

## COROLIT E 12

AC-weldable hardfacing electrode with a rutilebasic 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

DIN EN 14700	E Co 3-50-CTZ
AWS	ERCoCr-B

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 knifes and other tools used in the wood, plastic, paper, carpet and chemical industry.

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

DIAMETER AND FORMS OF DELIVERY ON REQUEST

Corodur Fülldraht GmbH may change the characteristics of the wire without notice. Statements on composition and application are just for the applier's information. Statements on mechanical properties always refer to the all-weld-metal according to valid standards. We recommend the applier to check our products for their special application autonomously.