CEWELD E DUR CE-Tube WC2

certilas® THE FILLER METAL SPECIALIST

TYPE

Hardfacing electrode with a tubular core wire containing C-Cr-Co-Zr-Al-WC2 carbides.

APPLICATIONS

This electrode offers a extreme recovery and can be used for overlays with extremely abrasive wear resistance, but with low impact. 3 layers should be considdered as maximum.

PROPRIÉTÉS

Due to the complex carbide combination of Cobalt, Chromium, Aluminium, Zirconium and a extreme high Tungsten content the wear resistance against abrasion is 4 till 8 times better in comparison with C-Cr. alloys. Hard facing knowledge is based on practical experience and years of testing many different procedures and alloys. For your typical application we recommend to consult us for a tailor made welding procedure in order to achieve the best possible results for each job.

CLASSIFICATION

EN ISO 14700: E Fe20

CONVIENT POUR

Sinter plant parts, Swing hammers, Drilling surfaces, Stone crushers, Fan blades, Coke pusher shoes and crushers segments, Shovel, Cement mill parts, Earthmoving equipment, etc.

AGRÉMENTS

POSITIONS DE SOUDAGE

ANALYSE CHIMIQUE TYPIQUE DU MÉTAL DE SOUDURE (%)

Cr	Fe	W
12	Rem.	52

PROPRIÉTÉS MÉCANIQUES

Heat Treatment	$R_{P0,2}$ (MPa)	Rm (MPa)	A5 (%)	Hardness	
As Welded					65 HRc

ETUVAGE

Not required

GAS ACC. EN ISO 14175