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

CEWELD® E DUR CE-Tube WC2 has a CCrCoZrAl matrix intercalated with tungsten carbides, making it an extremely wear resistant grade for most hardfacing applications.
The main areas of application are the coating and rebuilding of stabilizers and other oilfield tools where maximum protection is required. Also for screws, impellers, mixer plates in the brick and clay industry and for decanter screws in the food and chemical industries where corrosion resistance is required.

PROPERTIES

CEWELD® E DUR CE-Tube WC2 forms an extremely hard matrix of cobalt, chromium, aluminum, zirconium carbides with an extremely high tungsten content during welding, which improves the wear resistance against abrasion 4 to 8 times compared to C-Cr. alloys. Our knowledge of hardfacing is based on practical experience and years of testing with many different processes and alloys. max. 3 Layers

CLASSIFICATION

EN ISO 14700: E Fe20

SUITABLE FOR

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

APPROVALS

No Approvals Found

WELDING POSITIONS

TYPICAL CHEMICAL ANALYSIS OF WELD METAL (%)

Cr	Fe	W
12	Rem.	52

ALL WELD MECHANICAL PROPERTIES

Heat Treatment	$R_{P0,2}$ MPa	Rm MPa	A5 (%)	Impact Energy (J) ISO-V RT	Hardness Rockwell C
As Welded /					Avg. 65

REDRYING TEMPERATURE

Not required

GAS ACCORDING EN 14175