



CEWELD E DUR CE-Tube WC2

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							
WELDING POSITIONS	 						
TYPICAL CHEMICAL ANALYSIS OF WELD METAL (%)	Cr	Fe	W				
	12	Rem.	52				
MECHANICAL PROPERTIES	Heat Treatment	$R_{P0.2}$ (MPa)	R_m (MPa)	A5 (%)			
	As Welded			Hardness			
				65 HRc			
REDRYING	Not required						

GAS ACC. EN ISO 14175