



CEWELD Powder 8812-Co



TYPE	Agglomerated and sintered Cobalt based tungsten powder alloy			
APPLICATIONS	CEWELD® Powder 8812-Co is applied using the HVOF and plasma spraying processes when wear-resistant coatings are required. Areas of application include: steel rollers, screw conveyors, impeller screws, shaft rollers, exhaust fans, pump housings, valves			
PROPERTIES	CEWELD® Powder 8812-Co is an agglomerated and sintered powder for thermal spraying that has a uniform distribution of tungsten carbide and cobalt. The particles are predominantly spherical. The finer grades produce very tough and dense coatings that can often be used in the “sprayed condition” without post-processing. The powder produces a hard, abrasive, and corrosion-resistant coating and is suitable for use at temperatures up to 900 °F (482 °C). Typical Hardness: 950 – 1350 HV0,3 Standard particle size: 53/20 µm <i>also possible: 45/15 µm, 45/20 µm, 53/20 µm</i>			
CLASSIFICATION	EN ISO	14232-1 WC-Co 88/12		
SUITABLE FOR	Ceweld Powder 8812-Co powder is usually applied with the HVOF and the Plasma spray process whenever wear-resistant coatings are required, e.g. on Valves, Pumps and Turbine parts.			
APPROVALS				
WELDING POSITIONS				
TYPICAL CHEMICAL ANALYSIS OF THE FILLER METAL (%)	C	Fe	Co	WC
	5.5	0.2	12.5	Rem.
MECHANICAL PROPERTIES				
REDRYING	Not required			
GAS ACC. EN ISO 14175				