CEWELD Powder 8812-Co

certilas® THE FILLER METAL SPECIALIST

TYPE	Aglomerated 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** *also possible: 45/15 µm, 45/20 µm, 53/20 µm*
CLASSIFICATION	EN ISO 14232-1 WC-Co 88/12
SUITABLE FOR	Ceweld Powder 8812-Co powder is usualy applied with the HVOF and the Plasma spray process whenever wear-resistant coatings are required, e.g. on Valves, Pumps and Turbine parts.
APPROVALS	No Approvals Found
WELDING POSITIONS	

TYPICAL CHEMICAL ANALYSIS OF THE FILLER METAL (%)

C	Fe	Co	WC
5.5	0.2	12.5	Rem.

REDRYING TEMPERATURE	Not required
GAS ACCORDING EN 14175	