

# CEWELD Powder 8812-Ni

TYPE	Carbide powder, agglomerated and sintered	
APPLICATIONS	<p>CEWELD® Powder 8812-Ni is a carbide powder used to produce wear-resistant coatings via flame, plasma, or high-velocity oxygen fuel (HVOF) spraying.</p> <p>Areas of application include: Fan blades, Pump components, Dies, Valve seats, Oilfield equipment Other protective measures against erosion, abrasion, and sliding wear...</p>	
PROPERTIES	<p>CEWELD® Powder 8812-Ni is ideal for applications requiring improved corrosion resistance compared to WC-Co types. The powder produces a hard, abrasive, and corrosion-resistant coating. High-gloss polished surfaces, similar to chrome, can be achieved using standard grinding or lapping processes.</p> <p>Typical hardness: 68 HRc Standard grain size: 53/20 µm Also possible: 45/15 µm, 45/20 µm, 53/20 µm</p>	
CLASSIFICATION	EN ISO	14232-1 WC-Ni 88/12
SUITABLE FOR	<p>Fan blades, Pump components, Dies, Valve seats, Oilfield equipment Other protective measures against erosion, abrasion, and sliding wear...</p>	
APPROVALS		
WELDING POSITIONS		
TYPICAL CHEMICAL ANALYSIS OF THE FILLER METAL (%)	Ni	WC
	12	88
MECHANICAL PROPERTIES		
REDRYING	Not required	
GAS ACC. EN ISO 14175	None	