

## SP 8812-Co

**CATEGORY** Metal Powders

**TYPE** Agglomerated and sintered Cobalt based tungsten powder alloy

**APPLICATIONS** Ceweld SP 8812-Co is applied with the HVOF and the Plasma spray process whenever wear-resistant coatings are required, e.g. on Valves, Pumps and Turbine parts.

**PROPERTIES** Ceweld SP 8812-Co is a agglomerated and sintered powder developed for thermal spraying, witch contains a uniform distribution of Tungsten Carbide and Cobalt. The particle shape is mainly spherical. The finer grades produces very tough and dense coatings which can often be used in the "as sprayed" condition without finishing.

**CLASSIFICATION**

AWS	NA
EN ISO	NA

**SUITABLE FOR** Ceweld SP 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.

### TYPICAL DEPOSIT WEIGHT %

C Total	C Free	Co	Fe	W
5.1 - 5.7	<0.20	11.0 - 13.0	<2.0	Rem

### POWDER SIZE RANGE

Distribution grain size				
Size µm*	Size µm*	Size µm*	Size µm*	Size µm*
150-53	45 - 106	20 - 53	15 - 53	15 - 45

**REDRYING TEMPERATURE** not required