

CEWELD Powder HVOF DUR 12 (45-15)

TYPE

APPLICATIONS

PROPRIÉTÉS

CLASSIFICATION

CONVIENT POUR

AGRÉMENTS

POSITIONS DE SOUDAGE

ANALYSE CHIMIQUE
TYPIQUE DU MÉTAL DE
SOUDURE (%)

PROPRIÉTÉS MÉCANIQUES

ETUVAGE

GAS ACC. EN ISO 14175

HVOF Powder for Stellite 12

Hardfacing, Wear-Resistance, Corrosion-Resistance

Powder HVOF DUR 12 (45/15) could be considered an intermediate alloy between Powder HVOF DUR 6 (45/15) and Powder HVOF DUR 1 (45/15). It contains a higher fraction of hard, brittle carbides than Powder HVOF DUR 6 (45/15), and has increased resistance to lowangle erosion, abrasion, and severe sliding wear whilst retaining reasonable impact and cavitation resistance. The higher tungsten content provides better hightemperature properties and it can be used at temperatures up to about 700°C.

EN ISO14232-1 Co-Cr-W 54/30/8

Cutting tools that need to withstand abrasion, heat and corrosion. It is also used for control plates in the beverage industry, pump vanes, bearing bushes and narrowneck glass mold plungers.
Hardfacing of engine valves, pinch rollers in the metal-processing industries, and rotor blade edges.