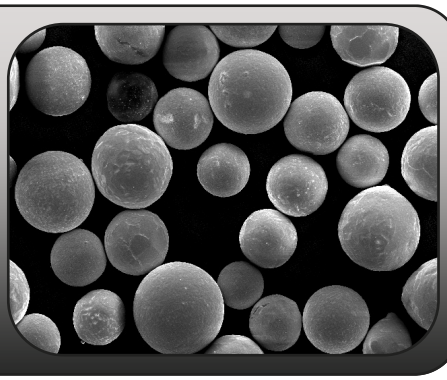
C&M Technologies GmbH
Am Bahnhof 10 und 26
36456 Barchfeld-Immelborn
Phone +49 (0) 3695 858578 -0, Fax -99
www.c-m-tech.com

Product Datasheet

WLC CFS-4041HS

New Product Notice



Product Overview

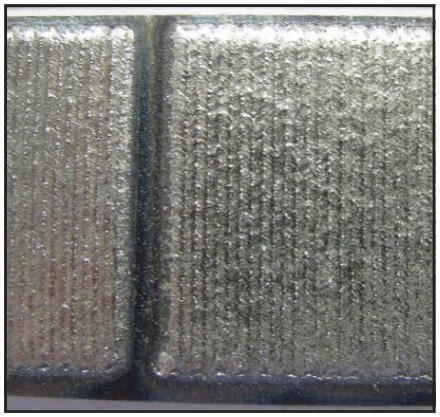
C&M Technologies is pleased to introduce our new WLC CFS-4041HS material. The challenges of wear protection are demanding, Applicators and End-users require products to exacting standards. One of the common issues Applicators and End-users have experienced in Laser Clad Overlays is undesirable porosity in the both the as-clad/as-ground condition. Given these challenges C&M Technologies developed a new 60/40 blend to dramatically reduce the porosity seen by many in industry. The new material advancements provide an increasingly homogenous structure, more uniform appearance and improved wear characteristics in certain environments. WLC CFS-4041HS material is best suited in the most aggressive environments with counter-part wear and when extreme abrasion resistance is needed.

Material Properties

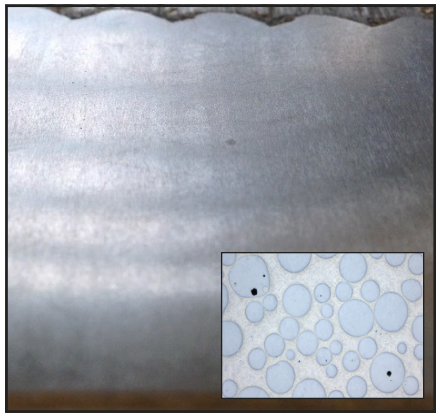
Composition:	CFS (Cast Fused Spherical)
and	Ni-based Alloy
Grain Sizes:	-150, +45µm*
Morphology:	Spheroidal

*Grain size can tailored to specific requirements

Typical Structure



CFS-4041HS (as-clad)



CFS-4041HS (as-ground)

Typical Clad Properties

Hardness :	
CFS	2800 - 3200 HV 0.1
Ni-based Alloy	40 HRc
Porosity (%) :	< 1
Deposit Efficiency (%) :	>80%[1]

Note[1]: Deposit efficiency is influenced by process parameters

For more information please contact :

Europe - Jana Wieditz, +49 3695 858578 0
USA - Scott Lacourse, +1 936 244 0006
Canada - Scott Lacourse, +1 587 983 9989

