

Description

Our hardfacing powders are of the finest quality and satisfy a wide range of industrial needs. Product sizes and chemistries are tested per industry accepted standards. Other physical properties are tested upon special request.

General Application

We can make custom chemistries and sizes or help you select from our list of standard products. Typical application methods of our hardfacing powders include, Spray and Fuse, Plasma Spraying, HVOF, Plasma Transferred Arc (PTA) process or other specialty processes.

Common end uses include pump shafts, pistons, screw flights and barrels, glass molds, mining and rock crushing tools, etc.

Chemistries

	Nominal Compositions (wt%)						Hardness (Rc)
	Cr	C	Si	Fe	Ni	B	
Pure Ni							
CuLox 5000					100.00		
Ni Alloys							
CuLox 5720	0.00	0.10	2.50	1.00	Bal	1.30	20
CuLox 5740	7.50	0.30	3.50	1.00	Bal	1.60	40
CuLox 5750	11.00	0.45	4.00	3.00	Bal	2.30	50
CuLox 5760	15.00	0.75	4.00	4.00	Bal	3.30	60
Composites							
Above Ni Alloys combined with carbides (25 – 65 wt%); WC-Co powders & other custom chemistries.							

Sizes

CuLox offers three standard sizes as shown below. Other sizes can be customized.

Type	Nominal Size
A (fine)	-270 mesh/15um
B (intermediate)	200/325 mesh
C (coarse)	140/325 mesh