



CULNICO®

Pre-alloyed bond powders

Description: Pre-alloyed Iron Copper based powder particular chemical composition which provide a wide performance

APPLICATIONS SEGMENT:

diamond beads, cutting segments, gang saw, rollers, fickerts

Grade item:

EXP10

CHEMICAL COMPOSITION:

Denomination:	Chemical composition:				
	Fe	Cu	Sn	Ni	P
CULNICO EXP10	reminder	20 - 30 %	4 - 10 %	2 - 8 %	< 5 %

Oxygen content: 0,5 %

SINTERING DATA:

Main applications:	Operational Parameters:				
	FS Temp. (°C)	Density (g/cm ³)	Hardness	Sintering cycle	Cold press Mpa
granite, hard stone, concrete, marble, natural stone, limestone	950	8,3	107 HRB	150°C/hour	200
granite, hard stone, concrete, asphalt, concrete, abrasive natural stone, basalt and limestone	HIP Temp. (°C)	Density (g/cm ³)	Hardness	Sintering cycle	Pressure Kg/mm ²
	760	8,3	110 HRB	210 sec.	350

*FS - Free sintering / HIP - Hot Isostatic Pressing



Linbraze S.r.l. - brazing powders industry
C/da Torre Chimera - Sp180 - 93019 Sommatino - Italy
Phone +39 0922 871694 - Fax +39 0922 871694
Email: info@linbraze.com - website: www.linbraze.com

The future is in your hands