



# 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:

# EXP11

**CHEMICAL COMPOSITION:**

Denomination:	Chemical composition:				
	Fe	Cu	Sn	Ni	P
CULNICO EXP11	reminder	30 - 40 %	4 - 10 %	< 5 %	< 3 %

Oxygen content: 0,5 %

**SINTERING DATA:**

Main applications:	Operational Parameters:				
	FS Temp. (°C)	Density (g/cm³)	Hardness	Sintering cycle	Cold press Mpa
granite, hard stone, concrete, marble, natural stone, limestone	950	8,3	105 HRB	150°C/hour	200
granite, hard stone, concrete, asphalt, concrete, abrasive natural stone, basalt and limestone	HIP Temp. (°C)	Density (g/cm³)	Hardness	Sintering cycle	Pressure Kg/mm²
	760	8,3	107 HRB	210 sec.	350

\*FS - Free sintering / HIP - Hot Isostatic Pressing



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