

EUCOR - FUSION CAST AZS

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C.B.P. ENGINEERING CORP.

DESIGN * MANUFACTURING * INSTALLATION
ABRASION-RESISTANT CONVEYING AND MATERIALS HANDLING SYSTEMS
A subsidiary of The Greenbank Group, Inc.

CBP
ENGINEERING
CORP
DELIVERING SOLUTIONS

EUCOR is an advanced fusion cast ceramic developed specifically to resist impact and sliding abrasion in several applications. **EUCOR** is cast at 2000° C into virtually any required lining shape. The ability to cast monolithic pipe liners eliminates many joints which cause premature failure of other ceramic linings. **EUCOR's** resistance to impact and thermal shock make it the perfect liner in areas where aggressive materials are handled in an extremely hot environment.



**EUCOR
CAST
PARTS**

EUCOR is the time proven lining answer to abrasion in cyclones, PF pipe work and pneumatic conveying of many abrasive materials such as foundry sand, coke, glass batch etc. **EUCOR** has much greater resistance to heavy impact and thermal shock than bonded alumina ceramics with the same excellent resistance to sliding abrasion.

Delivering Solutions

CBP Eucor - fusion cast aZS

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BASIC PROPERTIES

HARDNESS	9 MOHS
DENSITY	240 Lb. / Ft ³
COMPRESSIVE STRENGTH	50,000 Lb. / in ²
BENDING STRENGTH	7,000 Lb. / in ²
POROSITY	10%
ABRASION RESISTANCE (DIN 52108)	Max Loss 0.75 Cm ³ / 50 Cm ²
TENSILE STRENGTH	7,000 Lb. / in ²



Monolithic Pipe Liners



EUCOR Lined PF Elbows

MINERAL COMPOSITION

CORUNDUM	48 - 50%
BADDELEYIT	30 - 32%
VITREOUS PHASE	18 - 20%

CHEMICAL COMPOSITION

Al ₂ O ₃	49- 52%
Zr O ₃	30 - 33%
Si O ₂	13 - 17%
Na ₂ O+ K ₂ O	1-2%
Ti O ₂	< 1%
Ca O	< 1%
Fe ₂ O ₃	< 1%



EUCOR Lined Burner Elbow

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