



TECHNICAL DATA SHEET

JET CLEAN 33Z is a alumina-zircon aggregate based, thermal shock resistant, low cement, shotcreting castable.

JET CLEAN 33Z has excellent resistance to abrasion and alkali attack. Can be used for applications in the cement, lime and glass industries.

<b>SERVICE TEMPERATURE:</b>	2500°F
<b>MATERIAL REQUIRED FOR ESTIMATING:</b>	180 lbs./cu. ft.
<b>CASTING WATER:</b>	4.5 - 5%

TYPICAL CHEMICAL ANALYSIS (Calcined Basis)

Al <sub>2</sub> O <sub>3</sub>	SiO <sub>2</sub>	Fe <sub>2</sub> O <sub>3</sub>	TiO <sub>2</sub>	ZrO <sub>2</sub>	CaO	SiC
38 – 40	20 – 21	0.4	tr	32 – 33	1.5	4.9

TYPICAL PHYSICAL PROPERTIES

Prefired to °F	Modulus of Rupture, psi	Cold Crushing Strength, psi	Linear Change %
250	1,740	6,941	Nil
1500	2,055	9,566	-0.1
2000	2,250	10,875	-0.2
2500	2,835	12,850	-0.2

APP. POROSITY: 15% After 1500°F (vibcast)

ABRASION LOSS AFTER 1500°F: 4 - 6cc

THERMAL CONDUCTIVITY (ASTM C-1113): 16 BTU-in/hr-ft<sup>2</sup>-°F @1200°F

PACKAGING: 1500 lb. Bags, 2 Per Pallet (3000 lbs.)  
2000 lb. Bags, 2 Per Pallet (4000 lbs.)

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The data presented represents typical average results obtained by testing under ASTM or other acceptable procedures as required. They are subject to normal variations and should not be used for specification purposes.