PRODUCT DATA

VIBROCAST 50

VIBROCAST 50 IS A 1650°C LOW CEMENT CASTABLE WHICH IS IDEALLY GRAIN SIZED TO GIVE MINIMUM POROSITY AND LINEAR CHANGE WITH MAXIMUM DENSITY AND HIGH FIRED STRENGTHS. IT IS PARTICULARLY EASY TO INSTALL, IS TOLERANT OT MIXING WATER FLUCTUATIONS AND FLOWS READILY WITH MINIMUM VIBRATION.

MAXIMUM SERVICE TEMPERATURE (M.S.T.)   (1650°C)

BULK DENSITY

@ 110°C	147 – 152	LBS/FT^3	2355 – 2435	KG/M^3
@ 815°C	145 – 150	LBS/FT^3	2323 – 2403	KG/M^3

COLD CRUSHING STRENGTH

@ 815°C	9000 – 13000	P.S.I.	630 – 980	KG/CM^2

COLD MODULUS OF RUPTURE

@ 815°C	1200 – 1700	P.S.I.	84 – 120	KG/CM^2

PERMANENT LINEAR CHANGE

@ 815°C	0.00 TO – 0.40 %
@ 1370°C	0.00 TO – 0.40 %

EROSION LOSS (ASTM C-704)   LESS THAN 10.0 CC   (5cc Typ)

POROSITY   @ 815°C   16 %

CONDUCTIVITY OR "K" FACTOR

	BTU/FT^2/HR/°F/IN	W/mK
1000°F (540°C)	9.00	1.26
1500°F (815°C)	10.00	1.43
2000°F (1095°C)	10.00	1.43

TYPICAL CHEMICAL ANALYSIS (%)

AL$_2$O$_3$	SiO$_2$	Fe$_2$O$_3$	CaO	TiO$_2$	OTHER
53.3	42.6	0.7	2.0	1.2	0.2