

VIBROCAST 1350

VIBROCAST 1350 IS A 1350°C ABRASION RESISTANT LOW CEMENT CASTABLE WITH SUPER HIGH STRENGTHS THROUGHOUT ITS TEMPERATURE RANGE. IT IS EASY TO INSTALL BY CONVENTIONAL VIBRATION TECHNIQUES.

MAXIMUM SERVICE TEMPERATURE (M.S.T.) (1350°C)

BULK DENSITY

@ 110°C	139 - 144	LBS/FT ³	2226 - 2307	KG/M ³
@ 815°C	137 - 142	LBS/FT ³	2194 - 2275	KG/M ³

COLD CRUSHING STRENGTH

@ 110°C	13000 - 16000	P.S.I.	896 - 1103	KG/CM ²
@ 815°C	13000 - 16000	P.S.I.	896 - 1103	KG/CM ²
@ M.S.T.	13000 - 16000	P.S.I.	896 - 1103	KG/CM ²

COLD MODULUS OF RUPTURE

@ 815°C	2200 - 3200	P.S.I.	152 - 221	KG/CM ²
@ M.S.T.	2200 - 3200	P.S.I.	152 - 221	KG/CM ²

PERMANENT LINEAR CHANGE

@ 815°C	- 0.10 TO - 0.25 %
@ M.S.T.	- 0.20 TO - 0.50 %

EROSION LOSS (ASTM C-704) LESS THAN 7.0 CC

POROSITY @ 815°C 15 %

TYPICAL WATER TO VIBROCAST 5.8 - 6.8 % BY WT.

MAXIMUM GRAIN SIZE 3/8 INCH 9.5 MM

TYPICAL CHEMICAL ANALYSIS (%)

AL ₂ O ₃	SiO ₂	Fe ₂ O ₃	CaO	MgO	TiO ₂	ALK
48.5	45.2	1.6	2.1	0.2	1.7	0.4

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