

VIBROCAST FS-6

VIBROCAST FS-6 IS A FUSED SILICA-BASED LOW CEMENT VIBRATABLE CASTABLE NOTED FOR HIGH STRENGTH, GOOD ABRASION RESISTANCE AND LOW REVERSIBLE THERMAL EXPANSION, RESULTING IN A HIGHLY THERMAL SHOCK RESISTANT MATERIAL. ALSO AVAILABLE IN SELF-FLOW AND LOW CEMENT GUNNING GRADE.

THE DATA SHOWN IS BASED ON MATERIAL PREPARED TO A STANDARD GBIH CONSISTANCY AND VIBRATED INTO FORMWORK.

MAXIMUM SERVICE TEMPERATURE (M.S.T.) 1093°C

TYPICAL

BULK DENSITY (Typical)

@ 110°C	134 - 139	LBS/FT ³	2146 - 2226	KG/M ³	(2178)
@ 815°C	129 - 134	LBS/FT ³	2066 - 2146	KG/M ³	(2098)

COLD CRUSHING STRENGTH

@ 815°C	7000 - 10000	P.S.I.	483 - 690	KG/CM ²	(550)
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PERMANENT LINEAR CHANGE

@ 815°C	0.00 TO - 0.30 %	(- 0.14)
@ 1093°C	0.00 TO - 0.30 %	(- 0.25)

MAXIMUM GRAIN SIZE 5.0 MM

EROSION LOSS (ASTM C-704)

@ 815°C 14 CC MAX

CONDUCTIVITY OR "K" FACTOR

<u>MEAN TEMP</u>	<u>BTU/FT²/Hr/°F/in</u>	<u>W/Mk</u>
@ 260°C	5.6	0.81
@ 540°C	6.4	0.92
@ 815°C	6.9	0.99

<u>TYPICAL CHEMICAL ANALYSIS (%)</u>						
<u>AL₂O₃</u>	<u>SiO₂</u>	<u>Fe₂O₃</u>	<u>CaO</u>	<u>MgO</u>	<u>TiO₂</u>	<u>ALK</u>
20.2	77.3	0.4	1.6	0.0	0.4	0.1

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