PRODUCT DATA

VIBROCAST 56SCHP

VIBROCAST 56SCHP IS A SILICON CARBIDE BASED LOW CEMENT CASTABLE SPECIFICALLY DESIGNED FOR INSTALLATION BY HAND PACKING. ITS HIGH THERMAL CONDUCTIVITY MAKES IT IDEAL FOR APPLICATIONS WHERE HIGH HEAT TRANSFER IS IMPORTANT. HANDPACK 65 SiC SHOWS EXCELLENT RESISTANCE TO ABRASION, THERMAL SPALLING AND CORROSION, COMBINED WITH SUPER HIGH FIRED STRENGTHS.

THE DATA SHOWN IS BASED ON MATERIAL PREPARED TO A PUTTY LIKE FOLD CONSISTANCY AND HAND PACKED INTO FORMWORK

Maximum Service Temperature: 2800^oF (1540^oC)

Bulk Density:
220^oF (105^oC)	160-165 lb/ft^3	(2560-2640 kg/m^3)
1700^oF (927^oC)	155-160 lb/ft^3	(2480-2560 kg/m^3)

Cold Crushing Strength:
1700^oF (927^oC)	10000-15000 psi	(700-1050 kg/cm^2)

Modulus of Rupture:
1700^oF (927^oC)	2300-3300 psi	(161-231 kg/cm^2)

Permanent Linear Change(%):
1700^oF (927^oC)	-0.1 to -0.4

Erosion Loss: Less than 10 cc
1700^oF (927^oC)   (Typical 4 cc to 8 cc)

Conductivity or "K" Factor:

Mean Temp.	BTU/ft^2/HR/^oF/in	W/mK
1000^oF (540^oC)	39	5.62
1500^oF (815^oC)	39	5.62

Typical Chemical Analysis(%):

SiC	Al$_2$O$_3$	SiO$_2$	Fe$_2$O$_3$	TiO$_2$	CaO	Other
56.2	18.3	22.4	0.5	2.3	0.1	0.2