BLAST FURNACE – HEARTH

Products	Chemistry (%)			Density (g/cm^3 / lb/ft^3)	Temp. Limit
	C	SiO_2	Al_2O_3		
HC3F MORTAR	91.1	1.0	1.0	111 – 127 kg / 245 -280 lb	1650°C / 3000°F
HC4F GROUT	81.6	15.5	1.2	1.4 / 87	1650°C / 3000°F
HC5F GROUT	82.8	15.5	1.2	1.4 / 87	1650°C / 3000°F
HC8F RAM	96.4	2.7	0.9	1.50 / 95	1650°C / 3000°F
C34 CEMENT	-	-	-	1.6 / 99	-

Products	Chemistry (%)		Density (g/cm^3 / lb/ft^3)		Water Addition (%)		Temp. Limit
	Al_2O_3	SiO_2	Vibration	Shotcrete	Vibration	Shotcrete	
STACKCRETE® 18V	70.0	7.5	2.95 / 184	-	4.9 – 5.2	-	1700°C / 3100°F
STACKCRETE® 62M	61.7	32.8	2.45 / 153	2.37 / 148	4.5 - 5.2	5.4 - 6.2	1700°C / 3100°F
STACKCRETE® 133 NTM	59.6	2.9	-		5.7 - 6.1		1650°C / 3000°F
STACKCRETE® 418 NTM	70.9	7.5	2.79 / 174		5.0 - 5.5		1700°C / 3100°F
GUNCAST® 12	33.5	45.1	1.95 / 122		Determine at nozzle		650°C / 1200°F
V-CAST® 418A	70.9	18.1	2.95 / 184		4.9 - 5.2		1700°C / 3100°F
V-CAST® 720A	74.4	5.6	3.04 / 190		3.9 - 4.4	4.2 - 4.6	1650°C / 3000°F

in our element