

BLAZECRETE

Specification Data

	3X	STD.	LW.	C-2 Cement
Highest Recommended Service Temperature	3000F	2400F	2000F	2300F
Pyrometric Cone Equivalent	33 (3173F)	16 (2669F)	14 (2552F)	(2608F)
Weight Slap Troweled:				
As Placed	148 pcf	132 pcf	104 pcf	140 pcf
Oven Dried at 220F	133 pcf	116 pcf	69 pcf	126 pcf
After 5-Hr Firing at 1750F	130 pcf	110 pcf	65 pcf	120 pcf
Weight Gunned:				
As Placed	153 pcf	134 pcf	117 pcf	142 pcf
Oven Dried at 220F	142 pcf	124 pcf	76 pcf	134 pcf
After 5-Hr Firing at 1750F	140 pcf	118 pcf	73 pcf	128 pcf
Crushing Strengths After 5 Hours Firing at:				
220F	570 psi	1350 psi	275 psi	6200 psi
1200F	700 psi	1070 psi	338 psi	4700 psi
1750F	790 psi	1130 psi	400 psi	2600 psi
2000F	—	—	461 psi	—
2200F	1040 psi	1480 psi	—	—
2400F	2390 psi	2870 psi	—	—
Linear Change After 5 Hours Firing at:				
1200F	0.0%	-0.1%	-0.3%	-0.2%
1750F	0.0%	-0.4%	-0.6%	-0.2%
2000F	—	—	-0.8%	-0.5%
2200F	-0.2%	-0.6%	—	—
2400F	-0.2%	-0.4%	—	—

*The figures given in this table are average values obtained in accordance with accepted test methods.

THERMAL CONDUCTIVITY

PACKAGING INFORMATION

MEAN TEMPERATURE, F									Pounds required for 1 cu ft	Packaging	
600	800	1000	1200	1400	1600	1800	2000				
3X	—	—	4.10	4.30	4.68	5.40	6.35	7.68	3X Blazecrete	130 (slap-troweling) 140 (gunning)	100 lb bags
Std.	—	3.89	3.95	4.05	4.24	4.57	5.09	—	Standard Blazecrete	110 (slap-troweling) 118 (gunning)	100 lb bags
L.W.	1.42	1.52	1.64	1.76	1.89	2.01	—	—	L.W. Blazecrete	65 (slap-troweling) 73 (gunning)	80 lb bags
C-2	—	—	3.40	3.50	3.80	4.30	5.10	5.90	C-2 Refractory Cement	120 (slap-troweling) 140 (gunning)	100 lb bags
CONDUCTIVITY: BTU IN. PER SQ FT PER F PER HR											

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