

POWER PRODUCT TABLES
CASTABLES

CONVENTIONAL CEMENT										
Products	Chemistry				Density		C.C.S.		Temp.	
	%				1500°F		815°C		Limit	
	Al2O3	SiO2	ZrO2	SiC	g/cm³	lb/ft³	Mpa	psi	°C	°F
KASTITE D	35.9	45.9			1.60	100	4.13	600	1260	2300
KASTITE LHS	42.2	39.2			1.95	122	9.65	1,400	1427	2600
CAST 2550 LI C	46.1	39.9			2.21	138	33.28	4,830	1399	2550
GUNCAST 25	43.9	40.8			1.91	119	24.80	3,600	1371	2500
CAST 28	46	43.3			2.05	128	21.84	3,170	1538	2800
CAST 28 LI	47.1	43.3			2.08	130	28.66	4,160	1538	2800
TUFFCRETE 2800	44.4	48			2.27	142	82.68	12,000	1538	2800
KAST TECH 60	55.9	36.6			2.34	146	55.12	8,000	1649	3000
KAST TECH 61	60.1	32.5			2.34	146	55.12	8,000	1649	3000
CAST 3400	95.3	0.1			2.77	173	75.79	11,000	1871	3400

LOW CEMENT										
Products	Chemistry				Density		C.C.S.		Temp.	
	%				1500°F		815°C		Limit	
	Al2O3	SiO2	ZrO2	SiC	g/cm³	lb/ft³	Mpa	psi	°C	°F
LCF 798 P	61.5	35			2.74	171	59.94	8,700	1704	3100
DURACON 28	46.2	48.1			2.23	139	53.74	7,800	1538	2800
DURACON 28-10	41	43.6		9.7	2.26	141	59.25	8,600	1538	2800
DURACON 30	47.2	46.3			2.34	146	68.80	9,985	1649	3000
DURACON 32	63.1	31.6			2.55	159	106.17	15,410	1760	3200
DURACON 70 C	69.2	25.6			2.71	169	113.69	16,500	1760	3200
DURACON NR-SA	77	18.1			2.77	173	87.16	12,650	1760	3200
DURACON 86	87	8.7			2.93	183	109.55	15,900	1788	3250
TUFF-FLO FSM	34.8	61.3			2.18	136	54.29	7,880	1204	2200
TUFFCRETE FS	15.6	81.8			2.00	125	82.68	12,000	1204	2200
TUFFCRETE 47	47.1	46.5			2.21	138	82.68	12,000	1538	2800
TUFFCRETE ARZ	43.9	44.3	1.1	4.9	2.32	145	89.57	13,000	1649	3000
TUFFCRETE 60 A SR	59.6	36.2			2.58	161	104.73	15,200	1704	3100
TUFFCRETE 60 M	60.5	34.3			2.52	157	106.80	15,500	1704	3100
TUFFCRETE 60 X	60.3	33.9			2.48	155	92.33	13,400	1649	3000
TUFFCRETE 60 SiC	21.3	12.1		63.6	2.60	162	113.69	16,500	1649	3000
TUFFCRETE 65 M	64.8	30.5			2.61	163	138.39	20,085	1704	3100
TUFFCRETE 70 ABR	69.6	24.8			2.69	168	144.69	21,000	1760	3200
TUFFCRETE 80 SiC FINE	12.8	6		79	2.61	163	128.84	18,700	1399	2550
TUFFCRETE 86	85.4	10.1			2.82	176	124.02	18,000	1788	3250
TUFFCRETE 90 FINE	89.5	6.2			3.14	196	84.75	12,300	1399	2550
TUFFCRETE 90	90.4	8.2			2.98	186	62.01	9,000	1871	3400

shotcrete data

ULTRA LOW CEMENT										
Products	Chemistry				Density		C.C.S.		Temp.	
	%				1500°F		815°C		Limit	
	Al2O3	SiO2	ZrO2	SiC	g/cm³	lb/ft³	Mpa	psi	°C	°F
CW 709	78	5.1		11.5	3.20	200	0.00		1704	3100
TUFFCRETE 61 A ULC	61	35.5			2.61	163	70.28	10,200	1704	3100
TUFFCRETE 90	90.4	8.2			2.98	186	62.01	9,000	1871	3400
ULTRACON 34 C	92.8	6.2			3.03	189	73.03	10,600	1760	3200
ULTRACON 95	94.4	5			2.98	186	0.00		1871	3400

NO CEMENT										
Products	Chemistry				Density		C.C.S.		Temp.	
	%				1500°F		815°C		Limit	
	Al2O3	SiO2	ZrO2	SiC	g/cm³	lb/ft³	Mpa	psi	°C	°F
NANO-TEK FS P	0.2	99.5			1.84	115	31.69	4,600	1204	2200
NANO-TEK 61 HS	61.4	35.2			2.45	153	97.84	14,200	1704	3100
NANO-TEK 60 Z HS	58.4	35.5	2.8		2.52	157	99.28	14,410	1704	3100
NANO-TEK 55 A SR HS	56	36.3	1.3	4.9	2.53	158	62.35	9,050	1704	3100
NANO-TEK 805 ARZ	48.4	34.7	5.7	8.1	2.50	156	84.23	12,225	1704	3100
NANO-TEK 90					0.00		0.00			
NANO-TEK 75 SiC	17.1	5.2		74.9	2.66	166	35.66	5,175	1649	3000
QUICK-FIRE 55	55.4	36.7			2.32	145	15.36	2,230	1593	2900
QUICK-FIRE 88	88.2	3.9			2.74	171	18.95	2,750	1649	3000
QUICK-FIRE 90	89.1	2.1			0.00		36.93	5,360	1704	3100

HIGH STAINLESS FIBER CONTENT										
Products	Chemistry				Density		C.C.S.		Temp.	
	%				1500°F		815°C		Limit	
	Al2O3	SiO2	ZrO2	SiC	g/cm³	lb/ft³	Mpa	psi	°C	°F
ARMORMAX 28 SiC	45.4	21.8	1	27.3	2.69	168	82.68	12,000	1427	2600
ARMORMAX 608	59.9	27.1		8.2	2.63	164	103.96	15,089	1316	2400
ARMORMAX 70 SR	70.1	25.5			2.66	166	117.13	17,000	1427	2600
ARMORMAX NR-SA	82.4	11.9			3.00	187	185.34	26,900	1427	2600
ARMORMAX 85	84.4	10.5			2.92	182	175.70	25,500	1427	2600
ARMOMAX 90 SR	89.2	7.8			3.00	187	113.69	16,500	1427	2600
ARMORMAX AZS 5 HZR	40.9	28.7	26.8		3.16	197	112.72	16,360	1316	2400

INSULATING MIXES CAST										
Products	Chemistry				Density		C.C.S.		Temp.	
	%				1500°F		815°C		Limit	
	Al2O3	SiO2	ZrO2	SiC	g/cm³	lb/ft³	Mpa	psi	°C	°F
INSULMIX 19 L	33.7	25.5			0.30	19	0.34	50	1038	1900
INSULMIX 20	23.9	52.3			0.48	30	1.72	250	1093	2000
INSULMIX 20 HS	38.2	40.9			0.98	61	4.82	700	1093	2000
INSULMIX 20 LI	36.7	42.5			0.00		0.00		1093	2000
INSULMIX 23	42.6	35			0.80	50	2.07	300	1260	2300
INSULMIX 24	31.6	43.9			0.96	60	4.13	600	1316	2400
INSULMIX 24 HS	46.5	36.4			0.96	60	4.82	700	1316	2400
INSULMIX 24-75	20.7	59.3			1.23	77	1.55	225	1316	2400
INSULMIX 3A	40	39.1			0.00		0.00		1316	2400
INSULMIX 25 HS	29.3	51.9			1.47	92	19.29	2,800	1371	2500
INSULMIX 26 LI	41.3	43			1.44	90	8.27	1,200	1427	2600
INSULMIX 60 LI P	39.7	47.7			1.03	64	4.82	700	1371	2500
INSULMIX 80 LI P	46.8	42.4			1.28	80	8.27	1,200	1427	2600