

CASTABLES for POWER

CONVENTIONAL CEMENT

Products	Chemistry (%)		Density 815°C (1500°F)		CCS 815°C (1500°F)		Temp. Limit		Installation Method
	Al ₂ O ₃	SiO ₂	g/cm ³	lb/ft ³	MPa	psi	°C	°F	
KASTITE D	35.9	45.9	1.60	100	4.13	600	1260	2300	Cast
KASTITE LHS	42.2	39.2	1.95	122	9.65	1400	1427	2600	Cast, Trowel, Hand Pack
CAST 2550 LI C	46.1	39.9	2.21	138	33.28	4830	1399	2550	Cast
GUNCAST® 25	43.9	40.8	1.91	119	24.80	3600	1371	2500	Cast, Hand Pack, Gun
CAST 28	46.0	43.3	2.05	128	21.84	3170	1538	2800	Cast
CAST 28 LI	47.1	43.3	2.08	130	28.66	4160	1538	2800	Cast
TUFFCRETE® 2800	44.4	48	2.27	142	82.68	12000	1538	2800	Cast, Pump, Shotcrete
KAST TECH 60	55.9	36.6	2.34	146	55.12	8000	1649	3000	Cast
KAST TECH 61	60.1	32.5	2.34	146	55.12	8000	1649	3000	Cast
CAST 3400	95.3	0.1	2.77	173	75.79	11000	1871	3400	Cast

ULTRA LOW CEMENT

Products	Chemistry (%)		Temp. Limit		Installation Method
	Al ₂ O ₃	SiO ₂	°C	°F	
CW 709	78	5.1	1705	3100	Cast, Pump, Shotcrete
TUFFCRETE® 61 A ULC	61	35.5	1700	3100	Cast, Pump, Shotcrete
TUFFCRETE® 90	90.4	8.2	1870	3400	Cast
ULTRACON 34 C	92.8	6.2	1760	3200	Cast
ULTRACON 95	94.4	5	1870	3400	Cast



LOW CEMENT

Products	Chemistry (%)		Density 815°C (1500°F)		CCS 815°C (1500°F)		Temp. Limit		Installation Method
	Al ₂ O ₃	SiO ₂	g/cm ³	lb/ft ³	MPa	psi	°C	°F	
LCF 798 P	61.5	35	2.74	171	59.94	8,700	1705	3100	Cast, Pump
DURACON® 28	46.2	48.1	2.31	144	61.3	8,900	1540	2800	Cast
DURACON® 28-10	41.0	43.6	2.26	141	59.3	8,600	1540	2800	Cast
DURACON® 30	47.2	46.3	2.33	146	68.8	9,985	1650	3000	Cast
DURACON® 32	63.1	31.6	2.54	158	106.2	15,410	1760	3200	Cast
DURACON® 70 C	69.2	25.6	2.71	169	113.7	16,500	1760	3200	Cast
DURACON® NRSA	77.0	18.1	-	-	104.6	15,170	1760	3200	Cast
DURACON® 86	87.0	8.7	2.93	183	109.6	15,900	1785	3250	Cast
TUFF-FLO FSM	34.8	61.3	2.18	136	48.7	7,070	1370	2500	Cast, Pump
TUFFCRETE® FS	15.6	81.8	2.02	126	68.9	10,000	1315	2400	Cast, Pump, Shot
TUFFCRETE® 47	47.1	46.5	2.16	135	82.68	12,000	1540	2800	Cast, Pump, Shot
TUFFCRETE® ARZ	43.9	44.3	2.32	143	68.21	9,900	1649	3000	Cast, Pump, Shot
TUFFCRETE® 60 A SR	59.6	36.2	-	-	104.73	15,200	-	-	Cast, Pump, Shot
TUFFCRETE® 60 M	60.5	34.3	2.52	157	106.80	15,500	1700	3100	Cast, Pump, Shot
TUFFCRETE® 60 X	60.3	33.9	2.48	155	81.3	11,800	1648	3000	Cast, Pump, Shot
TUFFCRETE® 60 SiC	21.3	12.1	2.60	162	113.69	16,500	1650	3000	Cast, Pump, Shot
TUFFCRETE® 65 M	64.8	30.5	2.61	163	138.39	20,085	1700	3100	Cast, Pump, Shot
TUFFCRETE® 70 ABR	69.6	24.8	2.69	168	144.69	21,000	1760	3200	Cast, Pump, Shot
TUFFCRETE® 80 SiC FINE	12.8	6	2.61	163	128.84	18,700	1400	2550	Cast, Pump, Shot
TUFFCRETE® 86	85.4	10.1	2.72	170	66.1	9,600	1785	3250	Cast, Pump, Shot
TUFFCRETE® 90 FINE	89.5	6.2	3.11	194	84.75	12,300	1400	2550	Cast, Pump, Shot
TUFFCRETE® 90	90.4	8.2	2.92	182	62.01	9,000	1870	3400	Cast, Pump, Shot



NO CEMENT

Products	Chemistry (%)		Density 815°C (1500°F)		CCS 815°C (1500°F)		Temp. Limit		Installation Method
	Al ₂ O ₃	SiO ₂	g/cm ³	lb/ft ³	MPa	psi	°C	°F	
NANO-TEK® FS P	0.2	99.5	1.84	115	31.69	4,600	1650	3000	Cast, Pump, Shot
NANO-TEK® 61 HS	61.4	35.2	2.45	153	97.84	14,200	1705	3100	Cast, Pump, Shot
NANO-TEK® 60 Z HS	58.4	35.5	2.51	157	99.28	14,410	1700	3100	Cast, Pump, Shot
NANO-TEK® 55 A SR	56.0	36.3	2.53	158	62.4	9,050	1700	3100	Cast, Pump, Shot
NANO-TEK® 805 ARZ HS	48.4	34.7	2.50	156	84.3	12,225	1700	3100	Cast, Pump, Shot
NANO-TEK® 90 G	91.2	8.4	2.68	167	40.72	5,910	1700	3100	Cast, Pump, Shot
NANO-TEK® 75 SiC	17.1	5.2	2.66	166	35.66	5,175	1650	3000	Cast, Pump, Shot
QUICK-FIRE® 55	55.4	36.7	2.16	135	15.36	2,230	1600	2900	Cast
QUICK-FIRE® 88	88.2	3.9	2.66	166	18.95	2,750	1650	3000	Cast
QUICK-FIRE® 90	89.1	2.1	2.77	173	26.2	3,800	1700	3100	Cast

HIGH STAINLESS FIBER CONTENT

Products	Chemistry (%)		Density 815°C (1500°F)		CCS 815°C (1500°F)		Temp. Limit		Installation Method
	Al ₂ O ₃	SiO ₂	g/cm ³	lb/ft ³	MPa	psi	°C	°F	
ARMORMAX® 28 SiC	45.4	21.8	2.69	168	81.6	12,000	1430	2600	Cast, Pump, Shot
ARMORMAX® 608	59.9	27.1	2.64	165	103.96	15,089	1315	2400	Cast, Pump, Shot
ARMORMAX® 70 SR	70.1	25.5	2.66	166	117.13	17,000	1430	2600	Cast, Pump, Shot
ARMORMAX® NRSA	82.4	11.9	3.00	187	182.9	26,900	1430	2600	Cast, Pump, Shot
ARMORMAX® 85	84.4	10.5	2.92	182	173.4	25,500	1430	2600	Cast, Pump, Shot
ARMORMAX® 90 SR	89.2	7.8	3.00	187	113.69	16,500	1430	2600	Cast, Pump, Shot
ARMORMAX® AZS 5 HZR	40.9	28.7	3.16	197	112.72	16,360	1315	2400	Cast, Pump, Shot


INSULATING MIXES



	Chemistry (%)		Density 815°C (1500°F)		CCS 815°C (1500°F)		Temp. Limit		Installation Method
	Al ₂ O ₃	SiO ₂	g/cm ³	lb/ft ³	MPa	psi	°C	°F	
INSULMIX® 2025	15.4	38.3	0.32-0.48	20-30	0.4-0.7	60-100	1090	2000	Cast, Gun
INSULMIX® 2570	41.3	42.1	1.09-1.15	68-72	2.8-6.9	400-1000	1370	2500	Cast, Gun
INSULMIX® 2035 LI	37.9	42.3	0.6	36	1.0-1.7	150-250	1100	2000	Cast, Gun
INSULMIX® 2350	38.2	39.9	0.80	50	1.4-2.8	200-400	1260	2300	Cast, Gun
INSULMIX® 2570	41.3	42.1	1.09-1.15	68-72	2.8-6.9	400-1000	1370	2500	Cast, Gun
INSULMIX® 2460 LI	43.8	36.0	1.0	62	4.8	600-800	1315	2400	Cast, Gun
INSULMIX® 25 HS	29.0	50.6	1.47	92	17.2-20.7	2500-3000	1371	2500	Cast, Gun
INSULMIX® 2690 LI	42.5	46.3	1.44	90	6.2-9.0	900-1300	1425	2600	Cast, Gun
PUMPLITE 60 LI	39.7	47.6	1.02	64	4.1-5.5	600-800	1370	2500	Pump, Shot
PUMPLITE 80 LI	42.2	46.7	1.28	80	6.2-9.7	900-1400	1425	2600	Pump, Shot

