

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	
KAST TECH® 23	22.9	57.5	1.89	118	27.5	4000	1260	2300	Cast
KAST TECH® 26 TR	37.3	48.5	1.80	112	-	-	1430	2600	Trowel, Hand Pack, Patch
KAST TECH® 25 LIC	44.2	42.4	2.13	133	33.3	4830	1400	2550	Cast
GUNCAST® 25	43.9	40.8	1.91	119	24.80	3600	1370	2500	Cast, Hand Pack, Gun
KAST TECH® 26	42.6	41.3	1.91	119	20.7	3000	1430	2600	Cast
KAST TECH® 28	46.3	39.9	1.99	124	27.6	4000	1540	2800	Cast
KAST TECH® 28 P	43.6	49.1	2.27	142	82.7	12000	1540	2800	Cast, Pump, Shotcrete
KAST TECH® 30	56.0	36.5	2.44	146	55.1	8000	1700	3100	Cast
KAST TECH® 32	69.8	23.8	2.40	150	-	-	1760	3200	Cast
KAST TECH® 34	95.8	0.2	2.74	171	-	-	1815	3300	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® 90	90.4	8.2	1870	3400	Cast, Pump, Shotcrete
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	SiC	g/cm ³	lb/ft ³	MPa	psi	°C	°F	
LCF 798A 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	9.7	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	4.9	2.32	143	68.21	9,900	1650	3000	Cast, Pump, Shot
TUFF-FLO 60 A	59.6	36.2	-	2.58	161	104.7	15,200	1700	3100	Cast, Pump
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	1650	3000	Cast, Pump, Shot
TUFFCRETE® 60 SiC	21.3	12.1	63.6	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	6.0	77.7	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
TUFF-FLO 80 SiC	9.6	6.2	80.1	2.61	163	115.1	16,700	1650	3000	Cast, Pump



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® 80 FS P	19.9	79.1	2.00	125	58.6	8,500	1315	2400	Cast, Pump, Shot, Self-flow
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
QUICK-FIRE® ONE 86	87.6	3.6	2.55	159	17.0-30.0	2400-4400	1650	3000	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
ARMOMAX® 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

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	
INSULMIX® 2025	15.4	38.3	0.32-0.48	20-30	0.4-0.7	60-100	1090	2000	Cast, Gun
INSULMIX® 2035 LI	37.9	42.3	0.6	36	1.0-1.7	150-250	1100	2000	Cast, Gun
INSULMIX® 2250	30.2	50.4	0.80-0.86	50-54	1.4-4.1	200-600	1205	2200	Cast, Gun
INSULMIX® 2350	38.2	39.9	0.80	50	1.4-2.8	200-400	1260	2300	Cast, Gun
INSULMIX® 2460 LI	43.8	36.0	1.0	62	4.8	600-800	1315	2400	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® 25 HS	29.0	50.6	1.47	92	17.2-20.7	2500-3000	1370	2500	Cast, Gun
INSULMIX® 2690 LI	42.5	46.3	1.44	90	6.2-9.0	900-1300	1425	2600	Cast, Gun
INSULMIX® 2680	48.3	39.3	1.20-1.31	75-82	4.1-8.3	600-1200	1430	2600	Cast, Gun
INSULMIX® 2790	49.0	39.1	1.44-1.51	90-94	6.9-13.8	1000-2000	1480	2700	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

