

CASTABLES for POWER

CONVENTIONAL CEMENT

Products	Chemistry (%)		Density (1500°F)		C.C.S. (815°C)		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	1,400	1427	2600	cast, trowel, hand pack
CAST 2550 LI C	46.1	39.9	2.21	138	33.28	4,830	1399	2550	cast
GUNCAST 25	43.9	40.8	1.91	119	24.80	3,600	1371	2500	cast, hand pack, gun
CAST 28	46	43.3	2.05	128	21.84	3,170	1538	2800	cast
CAST 28 LI	47.1	43.3	2.08	130	28.66	4,160	1538	2800	cast
TUFFCRETE 2800	44.4	48	2.27	142	82.68	12,000	1538	2800	vib cast, pump, shotcrete
KAST TECH 60	55.9	36.6	2.34	146	55.12	8,000	1649	3000	cast
KAST TECH 61	60.1	32.5	2.34	146	55.12	8,000	1649	3000	cast
CAST 3400	95.3	0.1	2.77	173	75.79	11,000	1871	3400	cast

LOW CEMENT

Products	Chemistry (%)		Density (1500°F)		C.C.S. (815°C)		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	vib cast, pump
DURACON 28	46.2	48.1	2.31	144	61.3	8,900	1540	2800	vib cast
DURACON 28-10	41	43.6	2.26	141	59.3	8,600	1540	2800	vib cast
DURACON 30	47.2	46.3	2.33	146	68.8	9,985	1650	3000	vib cast
DURACON 32	63.1	31.6	2.54	158	106.2	15,410	1760	3200	vib cast
DURACON 70 C	69.2	25.6	2.71	169	113.7	16,500	1760	3200	vib cast
DURACON NRSA	77	18.1	-	-	104.6	15,170	1760	3200	vib cast
DURACON 86	87	8.7	2.93	183	109.6	15,900	1785	3250	vib cast
TUFF-FLO FSM	34.8	61.3	2.18	136	48.7	7,070	1370	2500	vib cast, pump
TUFFCRETE FS	15.6	81.8	2.02	126	68.9	10,000	1315	2400	vib cast, pump, shotcrete



TUFFCRETE 47	47.1	46.5	2.16	135	82.68	12,000	1540	2800	vib cast, pump, shotcrete
TUFFCRETE ARZ	43.9	44.3	2.23	139	90.9	13,200			vib cast, pump, shotcrete
TUFFCRETE 60 A SR	59.6	36.2	-	-	104.73	15,200	-	-	vib cast, pump, shotcrete
TUFFCRETE 60 M	60.5	34.3	2.52	157	106.80	15,500	1700	3100	vib cast, pump, shotcrete
TUFFCRETE 60 X	60.3	33.9	2.48	155	81.3	11,800	1648	3000	vib cast, pump, shotcrete
TUFFCRETE 60 SiC	21.3	12.1	2.60	162	113.69	16,500	1650	3000	vib cast, pump, shotcrete
TUFFCRETE 65 M	64.8	30.5	2.61	163	138.39	20,085	1700	3100	vib cast, pump, shotcrete
TUFFCRETE 70 ABR	69.6	24.8	2.69	168	144.69	21,000	1760	3200	vib cast, pump, shotcrete
TUFFCRETE 80 SiC FINE	12.8	6	2.61	163	128.84	18,700	1400	2550	vib cast, pump, shotcrete
TUFFCRETE 86	85.4	10.1	2.72	170	66.1	9,600	1785	3250	vib cast, pump, shotcrete
TUFFCRETE 90 FINE	89.5	6.2	3.11	194	84.75	12,300	1400	2550	vib cast, pump, shotcrete
TUFFCRETE 90	90.4	8.2	2.92	182	62.01	9,000	1870	3400	vib cast, pump, shotcrete

ULTRA LOW CEMENT

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

NO CEMENT

Products	Chemistry (%)		Density (1500°F)		C.C.S. (815°C)		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	vib cast, pump, shotcrete
NANO-TEK 61 HS	61.4	35.2	2.45	153	97.84	14,200	1705	3100	vib cast, pump, shotcrete
NANO-TEK 60 Z HS	58.4	35.5	2.51	157	99.28	14,410	1700	3100	vib cast, pump, shotcrete
NANO-TEK 55 A SR HS	56	36.3	1.3	4.9	2.53	158	62.35	9,050	vib cast, pump, shotcrete
NANO-TEK 805 ARZ	48.4	34.7	5.7	8.1	2.50	156	84.23	12,225	vib cast, pump, shotcrete
NANO-TEK 90 G	91.2	8.4	2.68	167	40.72	5,910	1700	3100	vib cast, pump, shotcrete
NANO-TEK 75 SiC	17.1	5.2	2.66	166	35.66	5,175	1650	3000	vib cast, pump, shotcrete
QUICK-FIRE 55	55.4	36.7	2.16	135	15.36	2,230	1600	2900	vib cast
QUICK-FIRE 88	88.2	3.9	2.66	166	18.95	2,750	1650	3000	vib cast
QUICK-FIRE 90	89.1	2.1	2.77	173	26.2	3,800	1700	3100	vib cast

HIGH STAINLESS FIBER CONTENT

Products	Chemistry (%)		Density (1500°F)		C.C.S. (815°C)		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	vib cast, pump, shotcrete
ARMORMAX 608	59.9	27.1	2.64	165	103.96	15,089	1315	2400	vib cast, pump, shotcrete
ARMORMAX 70 SR	70.1	25.5	2.66	166	117.13	17,000	1430	2600	vib cast, pump, shotcrete
ARMORMAX NRSA	82.4	11.9	3.00	187	182.9	26,900	1430	2600	vib cast, pump, shotcrete
ARMORMAX 85	84.4	10.5	2.92	182	173.4	25,500	1430	2600	vib cast, pump, shotcrete
ARMOMAX 90 SR	89.2	7.8	3.00	187	113.69	16,500	1430	2600	vib cast, pump, shotcrete
ARMORMAX AZS 5 HZR	40.9	28.7	3.16	197	112.72	16,360	1315	2400	vib cast, pump, shotcrete

INSULATING MIXES CAST

Products	Chemistry (%)		Density (1500°F)		C.C.S. (815°C)		Temp. Limit		Installation Method
	Al ₂ O ₃	SiO ₂	g/cm ³	lb/ft ³	Mpa	psi	°C	°F	



INSULMIX 19 L	33.7	25.5	0.43	27	0.60	90	1040	1900	cast, gun
INSULMIX 20	25.5	48.7	0.48	30	1.72	250	1100	2000	cast, gun
INSULMIX 20 HS	38.2	40.9	0.98	61	4.82	700	1100	2000	cast, gun
INSULMIX 20 LI	36.7	42.5	0.62	39	1.90	275	1100	2000	cast, gun
INSULMIX 23	42.6	35	0.82	51	2.07	300	1260	2300	cast, gun
INSULMIX 24	31.6	43.9	0.96	60	4.13	600	1315	2400	cast, gun
INSULMIX 24 HS	46.5	36.4	0.96	60	4.82	700	1315	2400	cast, gun
INSULMIX 24-75	20.7	59.3	1.23	77	1.55	225	1315	2400	cast, gun
INSULMIX 3A	40	39.1	1.19	74	6.5	950	1315	2400	cast, gun
INSULMIX 25 HS	29.3	51.9	1.47	92	19.29	2,800	1371	2500	cast, gun
INSULMIX 26 LI	41.3	43	1.44	90	8.27	1,200	1425	2600	cast, gun
INSULMIX 60 LI P	39.7	47.7	1.03	64	4.82	700	1370	2500	cast, pump, shotcrete
INSULMIX 80 LI P	46.8	42.4	1.28	80	8.27	1,200	1425	2600	cast, pump shotcrete

