

GUNNING PRODUCTS for MINERAL PROCESSING CEMENT, LIME, ORE

DENSE GUNNING

Products	Chemistry (%)				Density (1500°F)		C.C.S. (815°C)		Temp. Limit	
	Al ₂ O ₃	SiO ₂	ZrO ₂	SiC	g/cm ³	lb/ft ³	Mpa	psi	°C	°F
GUNCAST® FS	26.5	64.2			1.89	118	36.17	5,250	1204	2200
GUNCAST® 12*	33.5	45.1			1.95	122	33.24	4,825	649	1200
GUNCAST® 25	43.9	40.8			1.95	122	39.79	5,775	1371	2500
GUNCAST® 26 LI	45.9	41.1			2.07	129	55.46	8,050	1427	2600
GUNCAST® 28LI	48	41.4			1.99	124	50.64	7,350	1538	2800
GUNCAST® 30 LI	57.6	35.1			2.13	133	26.18	3,800	1649	3000
GUNCAST® 60	58.8	32.3			2.26	141	71.66	10,400	1649	3000
GUNCAST® 60 Z	55.1	33.7			2.26	141	96.46	14,000	1649	3000
GUNCAST® 70 HS	67.7	26.2			2.32	145	77.17	11,200	1704	3100
GUNCAST® 94	93.6	5.6			2.53	158	71.66	10,400	1871	3400
GUNCAST® DENSE ABRADE LT	74.8	9			2.69	168	37.90	5,500	1037	1899
ARMORGUN® 50	48.8	44.9			2.18	136	62.70	9,100	1649	3000
ARMORGUN® 60	59.8	34.2			2.21	138	64.77	9,400	1760	3200
ARMORGUN® 60 X	62.8	31			2.31	144	74.41	10,800	1760	3200
ARMORGUN® 70	69.7	23.4			2.39	149	86.13	12,500	1760	3200
ARMORGUN® 70 X	69.4	25.7			2.35	147	103.35	15,000	1704	3100
ARMORGUN® 80 SiC	13	5		79.3	2.31	144	87.50	12,700	1500	2732
TUFF-GUN® ARZ	44.5	43.8	1.1	4.8	2.11	132	141.93	20,600	1649	3000
TUFF-GUN® 47	47.9	46.6			2.18	136	103.35	15,000	1538	2800
TUFF-GUN® 60 M ARZ	57.3	31.9	1	4.9	2.35	147	126.09	18,300	1649	3000
TUFF-GUN® 60 SiC	20.7	12		63.7	2.40	150	119.20	17,300	1704	3100
TUFF-GUN® 65 M	63.9	31.2			2.48	155	113.00	16,400	1704	3100
TUFF-GUN® 70 ABR	67.5	26.9			2.45	153	115.75	16,800	1704	3100
TUFF-GUN® 80 SiC	13	5.5		78.5	2.47	154	117.82	17,100	1500	2732



NO CEMENT GUNNING

Products	Chemistry (%)				Density (1500°F)		C.C.S. (815°C)		Temp. Limit	
	Al ₂ O ₃	SiO ₂	ZrO ₂	SiC	g/cm ³	lb/ft ³	Mpa	psi	°C	°F
NANO-TEK® 50 G	49.8	47.3			2.16	135	25.08	3,640	1538	2800
NANO-TEK® 60 G	62.1	34.4			2.31	144	35.83	5,200	1649	3000
NANO-TEK® 60 XG	59.1	36.5			2.19	137	32.21	4,675	1538	2800
NANO-TEK® 60 ZG	57.1	36	3.9		2.31	144	16.47	2,390	1538	2800
NANO-TEK® 90 G	91.2	8.4			2.80	175	3.72	540	1649	3000
QUICK-FIRE® 60 G	64.2	27.1			2.21	138	20.67	3,000	1649	3000
STACK-LINE B PC					0.00		0.00			

INSULATING MIXES GUNNED

Products	Chemistry (%)				Density (1500°F)		C.C.S. (815°C)		Temp. Limit	
	Al ₂ O ₃	SiO ₂	ZrO ₂	SiC	g/cm ³	lb/ft ³	Mpa	psi	°C	°F
INSULMIX® 19 L	33.7	25.5			0.40	25	0.59	85	1038	1900
INSULMIX® 20	23.9	52.3			0.67	42	3.45	500	1093	2000
INSULMIX® 20 HS	38.2	40.9			1.11	69	7.58	1,100	1093	2000
INSULMIX® 20 LI	36.7	42.5			0.54	34	1.89	275	1093	2000
INSULMIX® 23	42.6	35			1.04	65	3.63	527	1260	2300
INSULMIX® 24	31.6	43.9			0.00		0.00		1316	2400
INSULMIX® 24 HS	46.5	36.4			1.11	69	7.58	1,100	1316	2400
INSULMIX® 24-75	20.7	59.3			0.00		0.00		1316	2400
INSULMIX® 3A	40	39.1			1.12	70	5.17	750	1316	2400
INSULMIX® 25 HS G	38.9	41.7			1.57	98	19.98	2,900	1371	2500
INSULMIX® 26 LI	41.3	43			1.52	95	12.40	1,800	1427	2600

