

GUIDE FOR INSULATING CASTABLES AND GUNNING PRODUCTS

INSULMIX®- GENERAL PURPOSE CASTING AND/OR GUNNING PRODUCTS

Product	Chemistry (%)		Density		Temperature Limit		Installation Method
	Al ₂ O ₃	SiO ₂	g/cm ³	lb/ft ³	°C	°F	
INSULMIX® 1630	15.5	46.0	0.46-0.54	29-34	980	1800	Cast/Gun
INSULMIX® 2025	15.4	38.3	0.32-0.48 cast 0.37-0.59 gun	20-30 cast 23-37 gun	1090	2000	Cast/Gun
INSULMIX® 2035 LI	37.9	42.3	0.60	36	1100	2000	Cast/Gun
INSULMIX® 2250	30.2	50.4	0.80-0.86 cast/gun	50-54 cast/gun	1205	2200	Cast/Gun
INSULMIX® 2350	38.2	39.9	0.80 cast 1.04 gun	50 cast 65 gun	1260	2300	Cast/Gun
INSULMIX® 2450	40.5	40.9	0.80-0.88 cast 0.88-0.96 gun	50-55 cast 55-60 gun	1315	2400	Cast/Gun
INSULMIX® 2460 LI	43.8	36	1.0	62	1315	2400	Cast/Gun
INSULMIX® 2570	41.3	42.1	1.09-1.15 cast 1.06-1.12 gun	68-72 cast 66-70 gun	1370	2500	Cast/Gun
INSULMIX® 2675	45.7	40.2	1.19-1.25	74-78	1430	2600	Cast
INSULMIX® 2680	48.3	39.3	1.15-1.25 cast 1.20-1.25 gun	72-78 cast 75-78 gun	1430	2600	Cast/Gun
INSULMIX® 2690 LI	42.5	46.3	1.44 cast 1.52 gun	90 cast 95 gun	1425	2600	Cast/Gun
INSULMIX® 2790	49	39.1	1.44-1.51 cast 1.38-1.44 gun	90-94 cast 86-90 gun	1430	2600	Cast/Gun
INSULMIX® 2880	49.3	39.2	1.28-1.35	80-84	1540	2800	Cast
INSULMIX® 2890G	47.6	42.3	1.38-1.44	86-90	1540	2800	Gun
INSULMIX® 3090	56.0	36.0	1.31-1.38	82-86	1650	3000	Cast
INSULMIX® 3090 G	55.5	34.3	1.38-1.44	86-90	1650	3000	Gun
INSULMIX® 3095	59.6	32.4	1.52	95	1650	3000	Cast
INSULMIX® 33100	94.5	0.4	1.60	100	1815	3300	Cast
INSULMIX® 24 G	42	43.5	1.49	93	1315	2400	Gun
INSULMIX® 25 HS	29	50.6	1.47	92	1370	2500	Cast
INSULMIX® 26 HS	53	40	1.76-1.83	110-114	1530	2800	Cast
INSULMIX® 26 HSG	43.9	43.8	1.87-1.94	117-121	1430	2600	Gun
INSULMIX® 28 HS	43	49.3	1.79-1.86	112-116	1540	2800	Cast
INSULMIX® 29 HS	48.7	41.9	1.68	105	1590	2900	Cast
INSULMIX® 30 HS	55	37.2	1.87-1.94	117-121	1650	3000	Cast
INSULMIX® 32 HS	76	16.4	2.05-2.11	128-132	1760	3200	Cast
INSULMIX® 25 AZS	56	27.2	1.12-1.19	70-74	1370	2500	Cast
INSULMIX® 30 AZS	56.8	27.1	1.44-1.51	90-94	1650	3000	Cast

PUMPLITE- INSTALLED BY PUMPING, SHOTCRETING OR VIBRATION CASTING

Product	Chemistry (%)		Density		Temperature Limit		Installation Method
	Al ₂ O ₃	SiO ₂	g/cm ³	lb/ft ³	°C	°F	
PUMPLITE 40	37.2	40.4	0.66 pump 0.77 shot	41 pump 48 shot	1095	2000	Pump/Shotcrete
PUMPLITE 60	40.7	43.3	0.91 pump 1.14 shot	57 pump 71 shot	1315	2400	Pump/Shotcrete
PUMPLITE 60 LI	39.7	47.6	1.02 pump 1.19 shot	64 pump 74 shot	1370	2500	Pump/Shotcrete
PUMPLITE 80	41.6	43.7	1.25 pump 1.36 shot	78 pump 85 shot	1425	2600	Pump/Shotcrete
PUMPLITE 80 LI	42.2	46.7	1.28 pump 1.49 shot	80 pump 93 shot	1425	2600	Pump/Shotcrete
PUMPLITE 85 LI	50	41.8	1.39 pump 1.61 shot	87 pump 101 shot	1540	2800	Pump/Shotcrete
PUMPLITE 90 LI	40.9	50.4	1.60 pump 1.91 shot	100 pump 119 shot	1650	3000	Pump/Shotcrete

FASTMAX® LT- FAST DRYOUT CAPABILITIES

Product	Chemistry (%)		Density		Temperature Limit		Installation Method
	Al ₂ O ₃	SiO ₂	g/cm ³	lb/ft ³	°C	°F	
FASTMAX® 500 LT	35.0	42.0	0.88-0.95	55-59	1205	2200	Cast/Gun
FASTMAX® 600 LT	39.6	40.0	0.93-0.99	58-62	1315	2400	Cast/Gun
FASTMAX® 700 LT	40.0	41.0	1.09-1.15	68-72	1370	2500	Cast/Gun
FASTMAX® 900 LT	49.0	37.0	1.39-1.46	87-91	1480	2700	Cast/Gun

BETAMAX® LT- PRODUCTS FOR MOLTEN ALUMINUM

Product	Chemistry (%)		Density		Temperature Limit		Installation Method
	Al ₂ O ₃	SiO ₂	g/cm ³	lb/ft ³	°C	°F	
BETAMAX® 23 LT G	41.3	43.2	1.23	77	1345	2450	Gun
BETAMAX® 24 LT	42.4	39.7	1.23	77	1345	2450	Cast
BETAMAX® 24 LT G	41.6	43.3	1.23	77	1345	2450	Gun
BETAMAX® 2460 LT P	39.1	42.4	0.91	57	1315	2400	Cast
BETAMAX® 25 LT	40.3	42.8	1.36	85	1370	2500	Cast
BETAMAX® 26 LT	52.9	36.4	1.27	79	1425	2600	Cast
BETAMAX® 28 LT	50	39.1	1.41-1.47	88-92	1540	2800	Cast
BETAMAX® 29 LT	49.7	41.9	1.68	105	1480	2700	Cast

PUMPMAX® LT- INSTALLED BY PUMPING OR VIBRATION CASTING

Product	Chemistry (%)		Density		Temperature Limit		Installation Method
	Al ₂ O ₃	SiO ₂	g/cm ³	lb/ft ³	°C	°F	
PUMPMAX® 40 LT	49.9	43.1	1.92	120	1425	2600	Pump
PUMPMAX® 50 LT	50.0	45.0	1.87-1.94	117-121	1540	2800	Pump
PUMPMAX® 60 LT	56.0	38.0	1.89-1.96	118-122	1650	3000	Pump

PETROMAX®- PRODUCTS FOR HPI INDUSTRY

Product	Chemistry (%)		Density		Temperature Limit		Installation Method
	Al ₂ O ₃	SiO ₂	g/cm ³	lb/ft ³	°C	°F	
PETROMAX® T3 C	51.0	40.0	1.79-1.86	112-116	1430	2600	Cast
PETROMAX® T3 G	47.6	42.1	1.76-1.83	110-114	1430	2600	Gun
PETROMAX® T6 AHR	47.0	37.0	1.01-1.07 cast 1.11-1.17 gun	63-67 cast 69-73 gun	1205	2200	Cast/Gun
PETROMAX® 350 LT	35.0	48.0	0.53-0.62	33-39	1090	2000	Cast/Gun
PETROMAX® 40 P	37.7	40.3	0.66 pumpcast 0.77 shotcrete	41 pumpcast 48 shotcrete	1095	2000	Pump/Shotcrete
PETROMAX® 550 LT	40.0	36.0	0.83-0.93	52-58	1260	2300	Cast/Gun
PETROMAX® 60LI P	39.7	47.4	1.02 pumpcast 1.19 shotcrete	64 pumping 74 shotcrete	1370	2500	Pump/Shotcrete
PETROMAX® 700 LT	45.0	40.0	0.96-1.06	60-66	1370	2500	Cast/Gun
PETROMAX® 80LI P	42.4	46.8	1.28 pumpcast 1.49 shotcrete	80 pumpcast 93 shotcrete	1425	2600	Pump/Shotcrete