

## CASTABLES for ALUMINUM

### LOW CEMENT

Product	Chemical Analysis		Density (g/cm <sup>3</sup> / lb/ft <sup>3</sup> )	Temperature Limit (C° / F°)	Installation Method
	Al <sub>2</sub> O <sub>3</sub> %	SiO <sub>2</sub> %			
MATRIFLO 85ACX	85.6	8.5	2.74 / 171	1540 / 2800	Cast, Vibration
MATRIFLO AL C	85.3	8.4	2.82 / 176	1540 / 2800	Vibration
MATRIPUMP 72ACX	78.6	15.6	2.68 / 167	1540 / 2800	Pouring, Pumping, Vibration
QUICK CAST® 61ACX	65.3	29.0	2.59 / 162	1540 / 2800	Self-flow, Vibration
MATRIPUMP AR 61	60.8	34.2	2.47 / 154	1650 / 3000	Pumping, Vibration Cast
MATRIPUMP 50	53.9	40.3	2.82 / 176	1650 / 3000	Pouring, Shotcreting, Vibration

### CONVENTIONAL CEMENT

Product	Chemical Analysis		Density (g/cm <sup>3</sup> / lb/ft <sup>3</sup> )	Temperature Limit (C° / F°)	Installation Method
	Al <sub>2</sub> O <sub>3</sub> %	SiO <sub>2</sub> %			
MATRICAST 2600 AC	45.2	42.4	2.03 / 127	1425 / 2600	Casting, Vibration
MATRIFLO 93 AC	92.8	0.4	3.17 / 198	1650 / 3000	Vibration
MATRICAST 3110 C	60.0	32.3	2.39 / 149	1705 / 3100	Casting, Vibration

### CHEMICALLY BONDED

Product	Chemical Analysis		Density (g/cm <sup>3</sup> / lb/ft <sup>3</sup> )	Temperature Limit (C° / F°)	Installation Method
	Al <sub>2</sub> O <sub>3</sub> %	SiO <sub>2</sub> %			
MATRIFIRE® 8085ACX	78.6	8.8	2.79 / 174	1315 / 2400	Vibration Cast
QUICK-FIRE® 65	66.7	24.7	2.48 / 155	1650 / 3000	Vibration
QUICK-FIRE® 88	88.6	3.5	2.84 / 177	1650 / 3000	Vibration
QUICK-FIRE® 90	89.2	2.1	2.90 / 181	1700 / 3100	Vibration Cast



**SiC containing LOW CEMENT DENSE < 2.5% CaO**

Product	Chemical Analysis		Density (g/cm <sup>3</sup> / lb/ft <sup>3</sup> )	Temperature Limit (C° / F°)	Installation Method
	SiC%	Al <sub>2</sub> O <sub>3</sub> %			
MATRICAST 82 SiC	77.3	12.9	2.56 / 160	1430 / 2600	Casting, Vibration
MATRICAST SiC	12.8	63.2	2.59 / 162	1430 / 2600	Casting, Vibration
MATRIPUMP 608 AL	7.6	62.6	2.56 / 160	1430 / 2600	Pouring, Vibration
MATRICAST 60 SiC	56.1	28.5	2.59 / 162	1480 / 2700	Casting, Vibration
MATRIFLO SiC	5.7	80.6	2.88 / 180	1500 / 2732	Vibration

**INSULATING**

Product	Chemical Analysis		Density (g/cm <sup>3</sup> / lb/ft <sup>3</sup> )	Temperature Limit (C° / F°)	Installation Method
	Al <sub>2</sub> O <sub>3</sub> %	SiO <sub>2</sub> %			
BETAMAX HS LT	29.0	50.6	1.37 / 85	1290 / 2350	Cast
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 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 29 LT	49.7	41.9	1.68 / 105	1480 / 2700	Cast
BETAMAX 28 LT	50.0	39.1	1.41-1.47 / 88-92	1540 / 2800	Cast
BETAMAX 30 LT	54.6	37.0	1.83-1.89 / 114-118	1650 / 3000	Cast

