

CASTABLES for FOUNDRY

DENSE - NO CEMENT

Product	Al ₂ O ₃ %	SiO ₂ %	Density (g/cm ³ / lb/ft ³)	Temperature Limit
NANO-TEK® 418A	69.5	7.5	2.95 / 184	1705°C (3100°F)
NANO-TEK® 70	68.1	28.6	2.50 / 156	1705°C (3100°F)
QUICK-FIRE® ONE 86	87.6	3.6	2.55 / 159	1650°C (3000°F)
QUICK-FIRE® 65	64.7	27.4	2.48 / 155	1650°C (3000°F)
QUICK-FIRE® 88	88.2	3.9	2.84 / 177	1650°C (3000°F)
TEK-CAST 426A	77.9	12.4	3.14 / 196	1705°C (3100°F)
TEK-CAST 707A	80.4	9.5	3.17 / 198	1705°C (3100°F)
TEK-CAST 712A	78.7	5.2	3.07 / 192	1650°C (3000°F)

DENSE - ULTRA-LOW CEMENT

Product	Al ₂ O ₃ %	SiO ₂ %	Density (g/cm ³ / lb/ft ³)	Temperature Limit
V-CAST® 426A	80.4	10.4	3.14 / 196	1705°C (3100°F)
V-CAST® 707A	80.9	9.8	3.17 / 198	1705°C (3100°F)
V-CAST® 712A	80.7	4.2	3.21 / 203	1650°C (3000°F)
V-CAST® 720A	74.4	5.6	3.04 / 190	1650°C (3000°F)
CW 921 CASTABLE	80.9	6.4	3.17 / 198	1650°C (3000°F)
CW 712 CASTABLE	80.6	3.6	3.21 / 203	1650°C (3000°F)
CW 920 CASTABLE	74.8	5.1	3.04 / 190	1650°C (3000°F)
CW 965 CASTABLE	69.0	28.0	2.65 / 165	1705°C (3100°F)
CASTMAX® MB HP	70.0	24.0	2.61-2.68 / 163-167	1790°C (3250°F)
CASTMAX® MBS HP	63.5	22.8	2.53 – 2.59 / 158 - 162	1790°C (3250°F)

DENSE - LOW CEMENT

Product	Al ₂ O ₃ %	SiO ₂ %	Density (g/cm ³ / lb/ft ³)	Temperature Limit
METAL KAST 90	93.9	4.3	3.01 / 190	1870°C (3400°F)
METAL KAST 85	82.6	12.4	2.85 / 178	1760°C (3200°F)
METAL KAST 70	70.3	23.9	2.68 / 167	1760°C (3200°F)
METAL KAST 60	57.9	36.1	2.48 / 155	1705°C (3100°F)
CW 7929 CASTABLE	69.8	24.6	2.53 / 158	1705°C (3100°F)
TUFF-FLO 608	60.7	27.3	2.60 / 162	1650°C (3000°F)
QUICK CAST® 62	66.1	27.2	2.64 / 165	1705°C (3100°F)
DURACON® 28	45.3	48.7	2.31 / 144	1540°C (2800°F)
DURACON® 30	47.2	46.3	2.33 / 146	1650°C (3000°F)
DURACON® 32	63.1	31.6	2.54 / 158	1760°C (3200°F)



CASTMAX® MB HP	70.6	23.9	2.61 – 2.68 / 163 – 167	1790°C (3250°F)
CASTMAX® MBS HP	63.5	22.8	2.53 – 2.59 / 158 - 162	1790°C (3250°F)

DENSE - CONVENTIONAL CEMENT

Product	Al ₂ O ₃ %	SiO ₂ %	Density (g/cm ³ / lb/ft ³)	Temperature Limit
KAIST TECH® 34	95.8	0.2	2.74 / 171	1815°C (3300°F)
KAIST TECH® 34 X	94.9	-	3.12 / 195	1760°C (3200°F)
KAIST TECH® 33	95.6	0.1	2.72 / 170	1815°C (3300°F)
KAIST TECH® 30	56.0	36.5	2.44 / 146	1700°C (3100°F)
KAIST TECH® LADLE KAST	53.3	39.9	2.24 / 140	1650°C (3000°F)
KAIST TECH® F80	50.9	41.1	2.24 / 140	1650°C (3000°F)
KAIST TECH® 31	57.8	35.3	2.23 / 139	1705°C (3100°F)

PUMPABLE / SELF FLOW

Product	Al ₂ O ₃ %	SiO ₂ %	Density (g/cm ³ / lb/ft ³)	Temperature Limit
V-CAST® 707A	80.9	9.8	3.17 / 198	1705°C (3100°F)
V-CAST® 712A	80.7	4.2	3.21 / 203	1650°C (3000°F)
V-CAST® 720A	74.4	5.6	3.04 / 190	1650°C (3000°F)
TUFF-FLO 608	60.7	27.3	2.60 / 162	1650°C (3000°F)
TUFF-FLO 62 M	62.4	32.9	2.48 / 155	1760°C (3200°F)
TUFF-FLO 50	50.2	44.4	2.32 / 145	1650°C (3000°F)
TUFF-FLO FSM	34.8	61.3	2.20 / 137	1370°C (2500°F)
PUMPLITE 80 LI	42.2	46.7	1.28 / 80 (Pump) 1.49 / 93 (Shotcrete)	1425°C (2600°F)
PUMPLITE 60 LI	39.7	47.6	1.02 / 64 (Pump) 1.19 / 74 (Shotcrete)	1370°C (2500°F)

SHOTCRETABLE

Product	Al ₂ O ₃ %	SiO ₂ %	Density (g/cm ³ / lb/ft ³)	Temperature Limit
V-CAST® 426A	80.4	10.4	3.14 / 196	1705°C (3100°F)
V-CAST® 418A	70.9	7.5	2.95 / 184	1705°C (3100°F)
V-CAST® 397Cr	83.0	5.7	3.20 / 200	1760°C (3200°F)
NANO-TEK® 418A	69.5	7.5	2.95 / 184	1705°C (3100°F)
STACKCRETE® 60M	60.5	34.3	2.52 / 157	1705°C (3100°F)
STACKCRETE® 62M	61.7	32.8	2.45 / 153	1705°C (3100°F)
STACKCRETE® 608	59.3	28.3	2.60 / 162	1650°C (3000°F)



INSULATING MIXES

Product	Al ₂ O ₃ %	SiO ₂ %	Density (g/cm ³ / lb/ft ³)	Temperature Limit
INSULMIX® 2025	15.4	38.3	0.32-0.48 / 20-30	1090°C (2000°F)
INSULMIX® 2460 LI	43.8	36.0	1.0 / 62	1315°C (2400°F)
INSULMIX® 25 HS	29.0	50.6	1.47 / 92	1370°C (2500°F)
INSULMIX® 2690 LI	42.5	46.3	1.44 / 90	1425°C (2600°F)

HAND PACK

Product	Al ₂ O ₃ %	SiO ₂ %	Density (g/cm ³ / lb/ft ³)	Temperature Limit
CAST TECH® 26	42.6	41.3	1.91 / 119	1430°C (2600°F)
CAST TECH® F80	50.9	41.1	2.24 / 140	1650°C (3000°F)
QUICK-FIRE® PATCH B	78.5	10.0	2.53 / 158	1650°C (3000°F)
QUICK-FIRE® PATCH M	62.7	26.2	2.33 / 145	1650°C (3000°F)
QUICK-FIRE® ONE PATCH B	79.9	10.3	2.46 / 153	1650°C (3000°F)
PLASTER 55AC	51.6	37.3	2.21 / 138	1650°C (3000°F)

TROWELABLE

Product	Al ₂ O ₃ %	SiO ₂ %	Density (g/cm ³ / lb/ft ³)	Temperature Limit
T-COAT® 689M	3.5	8.5	2.05 / 128	1705°C (3100°F)
T-COAT® 692M	-	-	2.00 / 125	1650°C (3000°F)
CW KOTE 85	2.9	9.5	1.70 / 106	-
PLASTER 55 AC	51.6	37.3	2.21 / 138	1650°C (3000°F)

WASHES

Product	Al ₂ O ₃ %	SiO ₂ %	Density (g/cm ³ / lb/ft ³)	Temperature Limit
WASH 668A	79.6	9.9	1.92 / 120	1705°C (3100°F)
WASH 148A	91.7	5.8	-	1705°C (3100°F)
CW 160G WASH	19.8	71.5	1.2 / 114	1650°C (3000°F)
ARMOR KOTE	40.1	43.4	1.52 / 95	1650°C (3000°F)
LADLE WELL SPRAY	11.8	80.6	1.75 / 109	1540°C (2800°F)

