

## CASTABLES for FOUNDRY

### DENSE - NO CEMENT

Product	Al <sub>2</sub> O <sub>3</sub> %	SiO <sub>2</sub> %	Density (g/cm <sup>3</sup> / lb/ft <sup>3</sup> )	Temperature Limit
NANO-TEK 418A	69.5	7.5	2.95 / 184	1705°C (3100°F)
NANO-TEK 61HS	61.4	35.2	2.45 / 153	1705°C (3100°F)
FREE KAST 85	83.2	12.4	2.84 / 177	1760°C (3200°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)

### DENSE - ULTRA-LOW CEMENT

Product	Al <sub>2</sub> O <sub>3</sub> %	SiO <sub>2</sub> %	Density (g/cm <sup>3</sup> / lb/ft <sup>3</sup> )	Temperature Limit
V-CAST 426A	80.4	10.4	3.14 / 196	1705°C (3100°F)
V-CAST 701A	88.6	8.4	3.28 / 205	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 712CASTABLE	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)

### DENSE - LOW CEMENT < 2.5% CaO

Product	Al <sub>2</sub> O <sub>3</sub> %	SiO <sub>2</sub> %	Density (g/cm <sup>3</sup> / lb/ft <sup>3</sup> )	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 85C	83.8	9.7	2.85 / 178	1705°C (3100°F)
METAL KAST 75	77.6	15.6	2.71 / 169	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)



## DENSE - CONVENTIONAL CEMENT &gt; 2.5% CaO

Product	Al <sub>2</sub> O <sub>3</sub> %	SiO <sub>2</sub> %	Density (g/cm <sup>3</sup> / lb/ft <sup>3</sup> )	Temperature Limit
HI AL KASTITE	96.2	0.2	2.74 / 171	1815°C (3300°F)
HI AL KASTITE X	96.5	0.1	3.12 / 195	1760°C (3200°F)
MINRO-AL <sup>®</sup> CAST A43	95.5	0	2.72 / 170	1815°C (3300°F)
KAST TECH 60	55.9	36.6	2.34 / 146	1650°C (3000°F)
LADLE KAST	55.9	37.8	2.24 / 140	1650°C (3000°F)
MINRO-FIRE CAST F80	53.2	39.3	2.24 / 140	1650°C (3000°F)
SUPER KASTITE 3000	59.1	34.8	2.29 / 143	1650°C (3000°F)
STEEL KAST	56.2	37.6	2.29 / 143	1650°C (3000°F)

## PUMPABLE / SELF FLOW

Product	Al <sub>2</sub> O <sub>3</sub> %	SiO <sub>2</sub> %	Density (g/cm <sup>3</sup> / lb/ft <sup>3</sup> )	Temperature Limit
V-CAST <sup>®</sup> 701A	88.6	8.4	3.28 / 205	1705°C (3100°F)
V-CAST <sup>®</sup> 707A	80.9	9.8	3.17 / 198	1705°C (3100°F)
V-CAST <sup>®</sup> 712A	80.7	4.2	3.21 / 203	1650°C (3000°F)
V-CAST <sup>®</sup> 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)
INSULMIX <sup>®</sup> 80LI P	42.4	46.8	1.28 / 80	1425°C (2600°F)
INSULMIX <sup>®</sup> 60LI P	39.7	47.7	1.02 / 64	1370°C (2500°F)

## SHOTCRETABLE

Product	Al <sub>2</sub> O <sub>3</sub> %	SiO <sub>2</sub> %	Density (g/cm <sup>3</sup> / lb/ft <sup>3</sup> )	Temperature Limit
V-CAST <sup>®</sup> 426A	80.4	10.4	3.14 / 196	1705°C (3100°F)
V-CAST <sup>®</sup> 418A	70.9	7.5	2.95 / 184	1705°C (3100°F)
V-CAST <sup>®</sup> 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)
STACKCRETE 85SiC				



**INSULATING CASTABLES**

Product	Al <sub>2</sub> O <sub>3</sub> %	SiO <sub>2</sub> %	Density (g/cm <sup>3</sup> / lb/ft <sup>3</sup> )	Temperature Limit
MATRILITE HS AC	29.3	51.9	1.38 / 85	1290°C (2350°F)
MATRILITE 24AC	41.8	39.3	1.23 / 77	1345°C (2450°F)
MATRILITE 28AC	51.2	36.1	1.27 / 79	1425°C (2600°F)
INSULMIX 20	25.5	48.7	0.5 / 30	1100°C (2000°F)
INSULMIX 24LI	44.8	34.9	1.0 / 62	1315°C (2400°F)
INSULMIX 25HS	29.3	51.9	1.47 / 92	1371°C (2500°F)
INSULMIX 26LI	41.3	43	1.52 / 95	1425°C (2600°F)

**HAND PACK**

Product	Al <sub>2</sub> O <sub>3</sub> %	SiO <sub>2</sub> %	Density (g/cm <sup>3</sup> / lb/ft <sup>3</sup> )	Temperature Limit
KASTITE LHS	42.2	39.2	1.97 / 122	1425°C (2600°F)
GUNCAST 26LI	45.9	41.1	2.07 / 129	1425°C (2600°F)
GUNCAST 28LI	48.0	41.4	1.99 / 124	1540°C (2800°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)
PLASTER 55AC	51.6	37.3	2.21 / 138	1650°C (3000°F)

**MORTARS**

Product	Al <sub>2</sub> O <sub>3</sub> %	SiO <sub>2</sub> %	Density (g/cm <sup>3</sup> / lb/ft <sup>3</sup> )	Temperature Limit
QUICK BOND 3000	28.5	67.2		1650°C (3000°F)
BRIKSET	40.2	52.5		1650°C (3000°F)
BRIKSET THICK	40.2	52.5		1650°C (3000°F)
DURAL 65 MORTAR	65	27.7		1705°C (3100°F)
DURAL 81P MORTAR	76.7	10.6		1760°C (3200°F)
DURATAB MORTAR	88.8	3.3		1815°C (3300°F)
DURATAB C MORTAR	79.3	10.1		1815°C (3300°F)
DURATAB SC MORTAR	73.4	3.6		1705°C (3100°F)
BRIKSET 711	67.1	28		1705°C (3100°F)

**TROWELABLE**

Product	Al <sub>2</sub> O <sub>3</sub> %	SiO <sub>2</sub> %	Density (g/cm <sup>3</sup> / lb/ft <sup>3</sup> )	Temperature Limit
T-COAT® 689M	3.5	8.5	2.05 / 128	1705°C (3100°F)
T-COAT 692M			2.0 / 125	1650°C (3000°F)
CW KOTE 85	2.9	9.5	1.70 / 106	



KASTITE LHS	42.2	39.2	1.97 /122	1425°C (2600°F)
PLASTER 55AC	51.6	37.3	2.21 / 138	1650°C (3000°F)

### WASHES

Product	Al <sub>2</sub> O <sub>3</sub> %	SiO <sub>2</sub> %	Density (g/cm <sup>3</sup> / lb/ft <sup>3</sup> )	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)
WASH 415CR				1815°C (3300°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)

