

CLAY ART CENTER

MINI CATALOG



CLAY ART CENTER 2636 Pioneer Way East Tacoma Wa 98404 800-952-8030 Fax 253-922-5349
www.clayartcenter.net AUG 25, 2020

CLAY DESCRIPTIONS

CONE 06 CLAYS

CL 027 COLEMAN RAKU

A fine tooth throwing body with kyanite grog. Will resist firing stress and gain in strength as the mullite develops. The clay will fire as hot as cone 10 and retain its off white color.

CL 126 COLEMAN RAKU GROG

A throwing body with larger kyanite grog. Will resist firing stress and gain in strength as the mullite develops. The clay will fire as hot as cone 10 and retain its off white color.

CL 171 HUSKY WHITE

Husky White is a low fire white earthenware body with fine sand. Ideal for throwing and handbuilding.

CL155 HUTCHINS RAKU

Great throwing smooth raku body, light color with good crack resistance.

CL 022 LO TALC

A talc body with more clay for good throwing characteristics. Slightly off-white but retains good color with glazes.

CL 023 LO TALC SAND

Lo Talc with 70 mesh sand added for more strength. More open than other talc bodies but retains a good glaze fit.

CL 087 RED ART TERRACOTTA

Red Art clay is the basis for this clay body. A 'redder' color, smoother texture, and tighter body are characteristics of this clay.

CL 118 RED ART TERRACOTTA WITH MICA

Red Art terracotta with added iron for a darker color. This clay also contains fine grog and mica for strength and sparkle. Yes it actually sparkles!

CL 127 SEWARD TERRACOTTA

A popular Red Art terracotta made with coarser fireclay. All-purpose clay for throwing and handbuilding. Rich red color.

CL 172 SEWARD TERRACOTTA SAND

The addition of 70 mesh sand adds additional tooth to this popular terracotta clay.

CL 030 TERRACOTTA

A pleasing terracotta color is obtained from a mix of California red clays. This clay is good for pressing, throwing, extruding, and slab construction.

CL 115 TERRACOTTA GROG

A grogged version of terracotta. Good for tile work.

CL 029 XTRA WHITE

The whitest of our earthenware bodies. It is smooth yet good for wheel work and basic handbuilding. Great for all low fire decorating techniques.

CL 031 XTRA WHITE SAND

Xtra white with 70 mesh sand added for strength. This body

is widely used for vitreous tiles fired at cone 4 to 6 and is also used in outdoor installations where freezing is a concern.

CONE 4-6 CLAYS

CL 141 AKIO SCULPTURE

A heavy grogged clay that is excellent for large sculpture. Brown in reduction, fires to cone 6.

CL 140 ARLEO

Thin chopped nylon fiber adds strength to this medium smooth clay. Perfect for difficult sculpture work. Light tan, fires to cone 6.

CL 108 BC6

A great throwing, white, stoneware. Very smooth and plastic, excellent glaze fit. Gray to off-white in oxidation.

CL 114 BCS6

Same great throwing clay with the addition of 70 mesh sand.

CL 079 BENNETT

An excellent production body, fine grained with superior finished strength. Its off-white/tan color takes glazes well. A light to medium grog provides strength and texture. This clay was designed for superior oven performance.

CL143 DESERT GOLD

A pleasing orange color at cone 6. 10% 70 mesh sand added for a slight tooth. Good working characteristics.

CL 032 IDAHO BUFF

A basic body widely used in schools for most types of student work. Its buff color is pleasing either alone or with glazes. This clay is also used by sculptors for finished pieces and large scale mock-ups. 70 mesh sand is added for texture.

CL 034 IDAHO BUFF GROG

A version of Idaho Buff with 20 mesh grog added for strength and size. Good for handbuilding and large sculpture.

CL 033 IDAHO BUFF S-M

Granular manganese is added to the regular Idaho Buff for brown specks that bleed into glazes.

CL 035 IDAHO WHITE

This base recipe for Idaho clays uses 70 mesh sand for texture. Its natural clay color is very light tannish-yellow in oxidation. In reduction it will fire a yellow-brown. It is good for general purpose clay usage.

CL161 NARANJA

A good all around throwing and handbuilding clay body. This clay uses 70 mesh sand for a fine tooth. Fired color is a rich orange-tan.

CLAY DESCRIPTIONS

CONE 4 - 6 CLAYS CONT.

CL 036 NEWCOMB 6

An off-white/gray tile body that is also used for throwing and pressing sinks and large forms. A large amount of grog keeps warping to a minimum, yet the fine mesh of the grog does not affect the fired surface. Extruded tiles up to 2 square feet are possible with this clay. Bisqued tiles are available from this clay body. This is a good production body with excellent glaze fit.

CL038 OREGON BROWN

A rich brown clay designed to give good results in oxidation firing. Smooth textured with 70 mesh sand. Oregon Brown is generally used for handbuilding and throwing.

CL039 OREGON BROWN GROG

Added 20 mesh grog opens Oregon Brown up for larger work.

CL 040 OREGON RED

The natural red clays used in this body will yield terracotta colors at cone 06 which darken as the firing temperature increases. Slight tooth with 70 mesh sand.

CL 041 OREGON RED GROG

20 mesh grog is added to Oregon Red for more texture and strength. A good handbuilding clay.

CL 042 OREGON WHITE

A grogged white stoneware that is used for slab work and throwing. Slightly open at cone 6, it will fire up to cone 10. Well balanced for glaze fit at both cone 6 and cone 10.

CL 043 SMY

Yellow iron gives this general purpose clay a golden appearance when wet. It fires to a warm light brown in oxidation and dark brown in reduction. Fine textured with 70 mesh sand.

CL 173 SWAN CREEK

A light color cone 6 throwing clay with fine sand and grog. This clay works well on the wheel and for medium size handbuilding.

CL 056 WMP

Widely used production body for normal domestic ware. Off white to tan in color. It fits a large variety of glazes very nicely. A good quality body with grog instead of sand for excellent fired strength.

CONE 8-11 CLAYS

CL 001 APPY

White burning high silica clays give Appy a light gray color in oxidation. Bare clay will flash next to glaze. Nice throwing with light grog added for strength and durability.

CL 109 BC10

White firing plastic stoneware. Excellent throwing clay. This smooth clay works very well for functional ware.

CL 104 BCS 10

Added 70 mesh sand to BC 10 gives this clay added tooth.

CL 175 BEDROCK

This is the coarsest clay body we make. Ideal for large sculptural pieces. Fires to a light buff color in reduction.

CL 004 CAC WHITE

Light grey stoneware with fine grog. Balanced for glaze fit. It is used for production work and handbuilding.

CL 003 CDN

Higher than normal feldspar gives CDN great glaze response. Use for small to medium size throwing, tiles, and handbuilding. Some iron spotting, light tan in reduction.

CL 005 DAKOTA RED

Good throwing red stoneware with 70 mesh sand for light texture. Red/brown in reduction, tan in oxidation. Used extensively in schools for all types of work.

CL 006 DAKOTA WHITE

Light tan/gray in reduction, off white in oxidation. Good for throwing and handbuilding. Our most popular stoneware.

CL 007 DAKOTA YELLOW

Yellow iron gives this version of Dakota a beautiful golden color. In reduction a red brown and in oxidation light tan.

CL 008 DRS

A slightly different mixture of fireclays with 20% sand and grog make DRS more open than Dakota clays. It will force-dry well and holds up to the stress of large work, yet retains a smooth feel due to the fineness of the grog. Red brown in reduction, and light tan in oxidation.

CL 009 DRSM

The addition of manganese to DRS makes DRSM a dark brown in reduction and light brown in oxidation.

CL 010 DWS

Without the added iron from red clays DWS is a more natural stoneware color: tan in reduction, light tan in oxidation.

CL 012 LITTLEJOHN

It is widely used as a sculptural body from cone 06 all the way up to cone 10. This clay will Raku fire very well and takes the stress of multiple firings. Quite coarse yet very plastic and strong. A little rough for throwing. Use for tiles, reliefs, and handbuilding. Dark red/brown with speckles and iron spotting at cone 10 reduction, and light pink at cone 06.

CL 013 NEWCOMB 10

Excellent tile body with good finished strength. A higher temperature version of NEWCOMB 6

CLAY DESCRIPTIONS

CL 144 OH WOODFIRE

Combines the throwing of B Mix with added sand and some Helmar Kaolin for color and texture. A great clay for wood or gas firing.

CL 206 ROADS END

This is a very reliable production body. Medium to fine in texture. This body fires to a medium buff color.

CL 048 RODS BOD CAC

A gray clay with medium texture. added magnetite will bleed out as iron spots in the glaze. A good all purpose clay with excellent throwing qualities.

CL 139 STONEWARE GROG

We use a large percentage of 48 mesh grog to make this clay super tough. Great for large forms.

CL 196 WELMAR

We combined Welsh and Helmar Porcelain to make this body. Very popular in the wood and soda kilns. Can result in beautiful flashing.

CL 016 WELSH

A slightly higher temperature version of Bennett Welsh's clay. A very high quality clay when fired, good strength and resiliency makes Welsh an excellent production body. It has nice working properties, handle attachments, throwability, etc. Light tan when reduced and off-white in oxidation. Lightly grogged with a semi-smooth texture.

CL 211 YERPRIDE

Another good all around clay body. Fine grog with a fired color of light buff.

CONE 4-6 PORCELAINS

CL 194 DIGI 6

A popular variation of B mix. This smooth off white clay throws very well.

CL 129 ENGLISH GROLLEG 6

White porcelain with excellent throwing qualities. Excellent glaze fit and color response. Translucent where thin.

CL 045 GLACIER

Vitreous at cone 6, Glacier porcelain fires white in oxidation, slightly gray white in reduction. Good working qualities for a true porcelain.

CL 192 JG 6

A nice throwing cone 6 porcelain. This clay is very vitrious at cone 6. Fires to a creamy off white.

CL 106 MAC 6

Gray to white porcelain with excellent throwing qualities. Good glaze fit, and color response. Our most popular clay.

CL 178 NZ6

This is our whitest cone 6 porcelain. Formulated with a kaolin from New Zealand this clay is very white and vitrous.

CL 134 OH 6

CAC's version of "B Mix". Smooth cone 6 off white firing clay. Throws great.

CL 046 RAINIER

Tight at cone 6, this porcelain fires slightly off-white in oxidation, gray/white in reduction. This is a cone 6 version of White Rose.

CL 059 WHITESTONE

A very smooth porcelain-like stoneware with an off-white color in oxidation. Made without grog to give a porcelain feel

CONE 10 PORCELAINS

CL 019 CMB

CMB fires blue-white in reduction with translucent highlights where thin. In oxidation it will be very white. A large amount of flux means that this clay will possibly stick to shelves when fired over cone 10. Relatively short because of the materials needed for translucency, we add plasticizers to give good working properties.

CL 193 DIGI 10

A nice throwing variation of the ever popular B Mix.

CL 128 ENGLISH GROLLEG 10

English kaolin gives this clay excellent working qualities while retaining a nice white fired color even in reduction. Fires white in oxidation, translucent when thin.

CL 131 HELMAR (WOOD FIRE)

Helmar kaolin based porcelain. The off-white color yields beautiful orange flashing in wood fired kilns.

CL 216 JG 10

Good all purpose porcelain for cone 10. Off white in color, very "tight" clay body.

CL 176 KLEIBER PORCELAIN

This porcelain body is very popular in wood fired kilns. Good color response and nice flashing.

CL 107 MAC 10

Gray to white porcelain with excellent throwing qualities. Very popular.

CL 176 NZ 10

This porcelain is formulated from a New Zealand Kaolin. This is our whitest cone 10 Porcelain. Very glassy when fired to cone 10.

CL 136 OH 10

CAC's version of "B-Mix". Smooth cone 10 off white firing clay. Throws great.

CL 088 TAKAMORI

1/2 grolleg 1/2 6 tile kaolin, fires white, works great as a sculpture porcelain. A lower cost alternative to Grolleg.

CLAY DESCRIPTIONS

Cone 10 Porcelains cont.

CL 157 WARDS B MIX

A good throwing variation of the popular B Mix

CL 021 WHITE ROSE

Our most popular cone 10 porcelain with excellent working properties, good handle attachments, very little cracking or warping, and good throwability. Gray white in reduction, and white in oxidation. The finished body is very tight.

CL 217 60/40

We blend 60% B Mix and 40% White Rose to make this versatile porcelain body. Throws very well, off white in color.

LAGUNA (WESTWOOD) CLAYS

CL 057 B MIX

A very popular white stoneware with porcelain qualities. Extremely throwable. Gray in reduction and white in oxidation. Cone 10

CL 058 B MIX SAND

A 10% addition of 90 mesh sand to B mix allows for a body with some texture, gray in reduction and white in oxidation.

CL 146 B MIX CONE 5

A cone 5 version of the popular B Mix

CL 147 B MIX CONE 5 GROG

A cone 5 version of B Mix with grog

CL 130 BIG WHITE

A very coarse light clay body that looks great in wood firings.

CL 086 DANISH WHITE

Good all purpose white stoneware for small to medium pieces. Fires off-white in oxidation and grayish in reduction.

CL 151 DARK BROWN

A medium coarse dark clay with 60 mesh sand.

CL 062 DEATH VALLEY

A medium texture sandy red clay. It throws well and has a rich reduction color with iron spotting.

CL 150 EM 210

All purpose smooth white earthenware clay, good for slab and coilwork. Ideal clay for low fire glazes.

CL 174 FROST 6

A very white cone 6 translucent porcelain

CL 063 RODS BOD

A tan iron spotting body with good throwing characteristics

CL 159 REFRACTORY BODY

Low expansion semi coarse refractory body.

CL 091 SOLDATE 30

30 mesh sand gives this clay a coarse texture well suited for raku, sculpture, and large pieces. Cone 10.

CL 148 SOLDATE 60

This clay uses 60 mesh sand for a smoother body.

CL 158 WED

This clay has been specifically formulated to be a very smooth, slow drying clay for modeling. Not formulated to be fired. Used by the entertainment industry for mock ups.

CL 075 WS5

A white sandy body that fires to cone 5. It throws very well, especially for large pieces.

CL 082 WS10

Higher temperature version of WS 5. Medium texture.

CL 149 WSO

A light gray clay with fine sand. Works well for raku. This body is slightly open at cone 10.

IMCO CLAY

CL 070 NAVAJO WHEEL

A popular terracotta clay that fires brick red at cone 06 to a dark red at cone 6. Handbuilds and throws nicely.

AARDVARK CLAYS

CL 152 BLACK MOUNTAIN

A deep brown black clay, medium texture. Great for the wheel.

CL 037 OBSIDIAN

A very black, ebony-like finish, striking in appearance. For best results do not exceed cone 5.

CL 154 COLEMAN PORCELAIN

A true grolleg body developed by Tom Coleman. Very translucent when thin, great for large pieces.

CL 214 AARDVARK SOLDATE 60

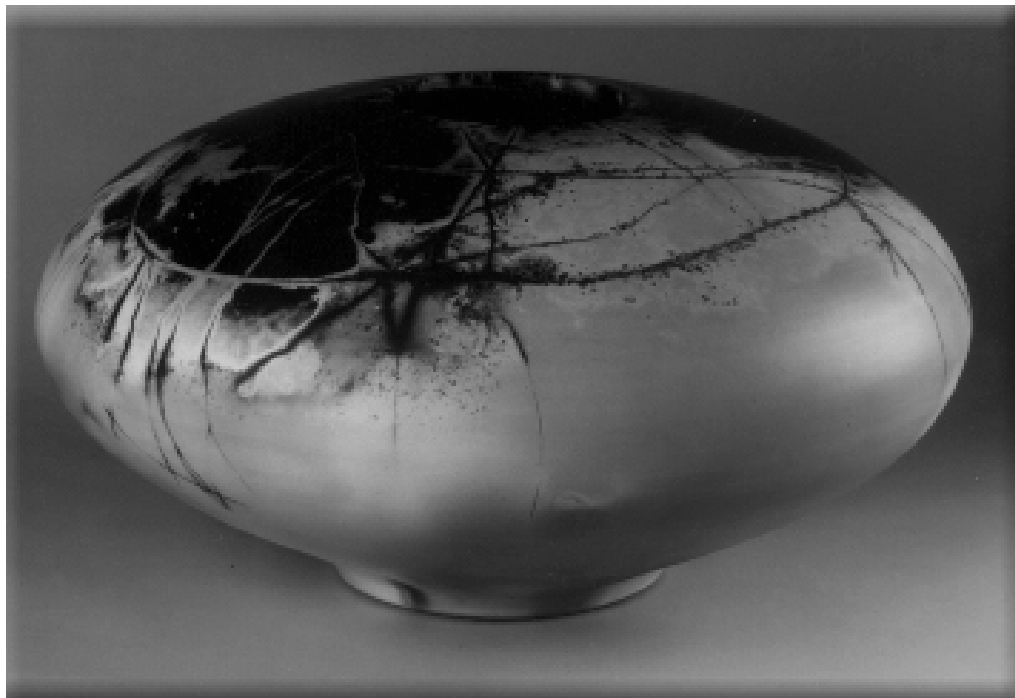
Aardvark Clays version of this popular sandy clay.

CLAY DESCRIPTIONS

ITEM#	CLAY	CONE	WET COLOR	OX. COLOR	REDUCTION COLOR	TEXTURE	SHRINKAGE	ABSORPTION
CONE 06-04								
CL 027	Coleman Raku	06-10	Light Gray	Off-White	Gray/Black	Medium Smooth	8%	18%
CL 126	Coleman Raku Grog	06-10	Gray	Tan	Gray/Tan	Medium	7%	10%
CL 171	Husky White	06	Gray	White	White	Smooth	8%	14%
CL 155	Hutchins Raku	06-10	Gray	Tan	Gray/Tan	Medium	7%	10%
CL 022	Lo Talc	06	Gray	White	White	Smooth	10.5%	16%
CL 023	Lo Talc Sand	06	Gray	White	White	Medium Smooth	9.5%	17%
CL 087	Red Art Terracotta	06	Dark Red	Orange/Red	Dark Brown	Smooth	9%	11.75%
CL 118	Red Art Terracotta Mica	06	Red	Red	Red Brown	Medium Smooth	9%	11.75%
CL 127	Seward Terracotta	06	Dark Red	Orange/Red	Dark Brown	Medium	8%	10%
CL172	Seward Terracotta Sand	06	Dark Red	Orange/Red	Dark Brown	Medium	8%	10%
CL 030	Terracotta	06	Red	Orange/Red	Dark Brown	Medium Smooth	9%	16.5%
CL 115	Terracotta Grog	06	Red	Orange/Red	Dark Brown	Slightly Coarse	7.5%	15.5%
CL 029	Xtra White	06	Gray	White	White	Smooth	6%	16%
CL 031	Xtra White Sand	06	Gray	White	White	Medium Smooth	8%	14%
CONE 4-6								
CL141	Akio	6	Gray	Tan	Tanish	Very Coarse	10%	3.5%
CL 140	Arleo Sculpture	6	Gray	Off-White	Gray	Medium	11%	2.5%
CL 108	BC6	6	Gray	Off-White	Gray	Smooth	12%	1%
CL 114	BCS6	6	Gray	Off-White	Gray	Medium Smooth	12%	1%
CL 079	Bennett	6	Light Gray	Off-White/Tan	Light Tan	Medium Smooth	12%	2.5%
CL 143	Desert Gold	6	"Orange-ish"	Orange	Brown	Medium Smooth	12%	1%
CL 032	Idaho Buff	6	Dark Gray	Tan/Buf	Brown	Medium Smooth	12%	1.5%
CL 034	Idaho Buff Grog	6	Dark Gray	Tan/Buf	Brown	Medium Coarse	12%	1.4%
CL 033	Idaho Buff S-M	6	Dark Gray	Tan/Buf w/spots	Brown w/spots	Medium Smooth	12%	2.13%
CL 035	Idaho White	6	Tan	Tan	Light Brown	Medium Smooth	12%	1.59%
CL161	Naranja	6	Red	Orangish/Tan	Brown	Medium Smooth	12%	2%
CL 036	Newcomb 6	6	Tan	Off-White/Tan	Light Brown	Medium Smooth	12%	2.06%
CL 038	Oregon Brown	6	Red/Brown	Dark Brown	Dark Brown	Medium Smooth	12%	.2%
CL 039	Oregon Brown Grog	6	Red/Brown	Dark Brown	Dark Brown	Medium Coarse	11%	1.88%
CL 040	Oregon Red	6	Red	Red	Dark Brown	Medium Smooth	12%	.5%
CL 041	Oregon Red Grog	6	Red	Red	Dark Brown	Medium Coarse	11%	.77%
CL 042	Oregon White	6	Light Gray	Off-White	Gray/White	Medium Smooth	12%	4.4%
CL 043	SMY	6	Golden	Light Brown	Dark Brown	Medium Smooth	13%	.5%
CL173	Swan Creek	6	Gray	Off-White	Gray	Medium Smooth	12%	2%
CL 056	WMP	6	Tan/Gray	Off-White/Tan	Dark Tan	Medium Smooth	12%	.83%
CONE 8-10								
CL 001	Appy	10	Tan	Off-White	Tan/Gray	Medium Smooth	12%	1.15%
CL 109	BC10	10	Gray	Off-White	Light Gray/White	Smooth	12%	1%
CL104	BCS10	10	Gray	Off-White	Light Gray/White	Medium	12%	1%
CL175	Bedrock	10	Gray	Off-White	Tan/Buf	Coarse	11%	3%
CL004	CAC	10	Gray	Off-White	Light Gray	Medium Smooth	12%	.8%
CL 003	CDN	10	Tan	Off-White/Tan	Tan	Medium Smooth	12%	.5%
CL 005	Dakota Red	10	Red	Tan	Tan/Brown	Medium Smooth	12%	.5%
CL 006	Dakota White	10	Gray	Off White	Light Tan	Medium	12%	.5%
CL 007	Dakota Yellow	10	Golden	Tan	Red/Brown	Medium Smooth	12%	.5%
CL 008	DRS	10	Red	Tan	Red/Brown	Slightly Coarse	13.5%	1.32%
CL 009	DRSM	10	Red/Brown	Tan	Dark Brown	Slightly Coarse	13%	1.33%
CL 010	DWS	10	Tan	Tan	Light Brown	Slightly Coarse	13%	1.32%
CL 012	Littlejohn	10	Green/Brown	Tan	Dark Brown spots	Coarse	14%	1.75%
CL 013	Newcomb 10	10	Tan	Tan	Gray	Medium	12%	1.5%
CL 144	OH Woodfire	10	White	Cream	Gray/White	Medium Smooth	12%	.75%
CL 206	Roads End	10	Tan	Tan	Medium Buff	Medium Smooth	12%	.5%
CL 048	Rod's Bod CAC	10	Tan	Tan	Light Brown spots	Slightly Coarse	14%	1.25%
CL 139	Stoneware Grog	10	Tan	Tan	Light Brown	Slightly Coarse	13%	2%
CL196	Weimar	10	Tan	Off-White	Gray/Off-White	Smooth	12%	.75%
CL 016	Welsh	10	Tan	Off-White	Gray/Off-White	Medium Smooth	12%	.75%
CL 211	Yerpride	10	Reddish-Tan	Tan	Light Buff	Medium Smooth	12%	.75%
CONE 4-6								
CL 194	Digi 6	6	Cream	White	White	Smooth	12%	.5%
CL 129	English Grolleg 6	6	White	White	White	Smooth	12%	.5%
CL 045	Glacier	6	Gray/White	White	White	Smooth	12%	.75%
CL 192	JG	6	White	White	White	Smooth	13%	.5%
CL 106	Mac 6	6	Off-White	White	White	Smooth	12%	1%
CL 178	NZ 6	6	White	White	White	Smooth	15%	.25%
CL 134	OH 6	6	White	White	Cream	Smooth	12%	1.5%
CL 046	Rainier	6	Gray/white	White	White	Smooth	12%	.75%
CL 059	Whitestone	6	Gray/white	Slightly Off-White	Gray/White	Smooth	11%	1.5%
CONE 8-10								
CL 019	CMB	10	White	White	Blue/White	Smooth	12%	.25%
CL 193	Digi 10	10	White	White	Gray/White	Smooth	12%	.5%
CL 128	English Grolleg 10	10	White	White	White	Smooth	12%	.5%
CL 131	Helmar	10	White	White/Cream	Off-White	Smooth	14%	.75%
CL 191	Kleiber	10	White	White	Gray/White	Smooth	13%	.75%
CL 107	Mac 10	10	Off-White	White	Slight Gray/White	Smooth	12%	.75%
CL 136	OH 10	10	White	Cream	Gray/White	Smooth	12%	.75%
CL 088	Takamori	10	White	White	Gray/White	Smooth	12%	.75%
CL 157	Wards B Mix	10	Off/White	Off/ White	Gray/White	Smooth	12%	.75%
CL 021	White Rose	10	Gray/White	White	Gray/White	Smooth	12%	.75%
CL 217	60/40 Porcelain	10	Gray/White	White	Gray/White	Smooth	12%	.75%

CLAY DESCRIPTIONS

ITEM#	CLAY	CONE	WET COLOR	OX. COLOR	REDUCTION COLOR	TEXTURE	SHRINKAGE	ABSORPTION
LAGUNA CLAY								
CL 057	B Mix	10	Off-White	Off-White	Gray/White	Smooth	13.0%	1.0%
CL 058	B Mix Sand	10	Off-White	Off-White	Gray/White	Medium Smooth	12.0%	1.25%
CL 146	B Mix Cone 5	5	Light Gray	Cream	Off White	Smooth	12.0%	2.3%
CL 147	B Mix Cone 5 Grog	5	Light Gray	Cream	Off White	Smooth	12.0%	2.3%
CL 179	B Mix Woodfire	10	Off-White	Off/white	Gray/White	Smooth	12.0%	1.0%
CL 130	Big White	10	Gray	Buff/White	Gray	Coarse	10.0%	2.7%
CL 086	Danish White	10	Light Gray	Off/White	Gray/White	Smooth	12.0%	.08%
CL 151	Dark Brown	10	Brown	Brown	Deep Brown	Medium	12.0%	.09%
CL 062	Death Valley	10	Red	Orange/Tan	Reduction Red	Slightly Coarse	12.5%	1.5%
CL 150	EM 210	06	Gray	White	N/A	Smooth	5.5%	17.0%
CL 174	Frost	5	White	White	White	Smooth	12.0%	1.0%
CL 101	Laguna White	10	Off-White	Off-White	Off-White	Slightly Coarse	12.0%	2.0%
CL 063	Rod's Bod (Laguna)	10	Tan	Tan	Tan/Brown	Slightly Coarse	14.0%	2.0%
CL 159	Refractory Body	10-13	Gray	Buff	Brown	Slightly coarse	5.0%	N/A
CL 102	Soldate 30	10	Tan/White	Off-White	Off-White	Coarse	13.5%	3.5%
CL 148	Soldate 60	10	Tan/White	Off/White	Off/White	Medium Coarse	13.5%	3.5%
CL 158	WED	N/A	Gray	Buff	N/A	Smooth	5.0%	N/A
CL 075	WS5	10	Off-White	Off-White	Off-White	Slightly Coarse	10.0%	2.5%
CL 082	WS10	10	Off-White	Off-White	Off-White	Slightly Coarse	11.0%	2.0%
CL 149	WSO	10	Light Gray	Off/White	Gray/White	Slightly Coarse	10.0%	2.6%
AARDVARK CLAY								
CL 152	Black Mountain	10	Brown	Brown	Black/Brown	Medium	12%	1.0%
CL 037	Obsidian	5	Red/Brown	Black	N/A	Medium Smooth	14.5%	.5%
CL 153	Coleman Porcelain	10	White	White	Gray/White	Smooth	13.5%	.5%
CL 214	Aardvark Soldate 60	10	Tan/White	Off-White	Off/White	Medium Coarse	13.5%	3.5%



Rick Mahaffey

CLAY SAMPLES TILES

EARTHENWARE CONE 06-2



Coleman Raku



Coleman Raku Grog



Husky White



Hutchins Raku



Lo Talc



Lo Talc Sand



Red Art Terracotta



Red Art Terracotta
Mica



Seward Terracotta



Seward Terracotta
Sand



Terracotta



Terracotta Grog



Xtra White



Xtra White Sand

MID-RANGE STONEWARE CONE 4-6



Akio



Arleo



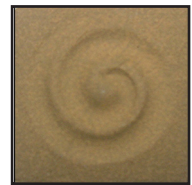
BC 6



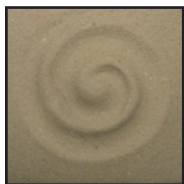
BCS 6



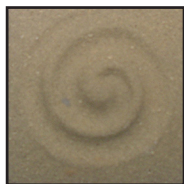
Bennett



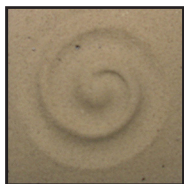
Desert Gold



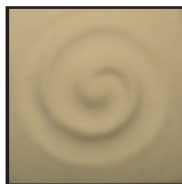
Idaho Buff



Idaho Buff Grog



Idaho Buff SM



Idaho White



Naranja



Newcomb 6



Oregon Brown



Oregon Brown Grog



Oregon Red



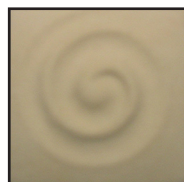
Oregon Red Grog



Oregon White



SMY



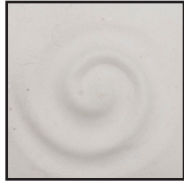
Swan Creek



WMP

CLAY SAMPLES TILES

MID-RANGE PORCELAIN CONE 4-6



Digi 6



English Grolleg 6



Glacier



JG 6



NZ 6



Mac 6



OH 6



Rainier



Whitestone

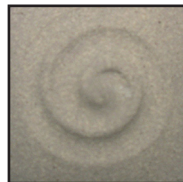
HIGH-FIRE STONEWARE CONE 10



Appy



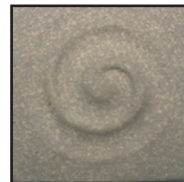
BC 10



BCS 10



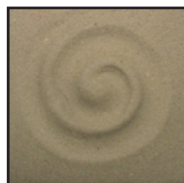
Bedrock



CAC White



CDN



Dakota Red



Dakota White



Dakota Yellow



DRS



DRSM



DWS



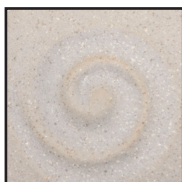
Littlejohn



Newcomb 10



OH Woodfire



Roads End



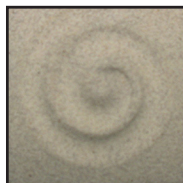
Rods Bod CAC



Stoneware Grog



Welmar



Welsh



Yerpride

CLAY SAMPLES TILES

HIGH-FIRE PORCELAIN CONE 10



CMB



Digi 10



English Grolleg 10



Helmar Woodfire



JG 10



Kleiber



Mac 10



NZ 10



OH 10



Takamori



Wards B Mix



White Rose



60/40

PREPARED CLAY PRICE LIST

ITEM#	DESCRIPTION	CONE	25#	50#	100#	500#	1000#	2000#
EARTHENWARE CONE 06-2								
CL 027	Coleman Raku	06-10	13.00	24.00	44.00	209.50	399.00	758.00
CL 126	Coleman Raku Grog	06-10	13.00	24.00	44.00	210.00	400.00	760.00
CL 171	Husky White	06-2	12.00	22.50	41.00	193.00	366.00	692.00
CL 155	Hutchins Raku	06-10	12.00	22.00	40.50	191.00	362.00	684.00
CL 022	Lo Talc	06-2	12.00	22.00	40.50	191.50	362.00	684.00
CL 023	Lo Talc Sand	06-2	12.00	22.00	39.50	187.00	354.00	668.00
CL 087	Red Art Terracotta	06-02	14.00	27.00	48.00	226.50	433.00	826.00
CL 118	Red Art Terracotta Mica	06-02	15.00	28.00	52.00	246.00	472.00	904.00
CL 127	Seward Terracotta	06-2	12.00	23.00	41.50	198.00	375.00	710.00
CL 172	Seward Terracotta Sand	06-2	12.00	22.50	41.00	195.00	369.00	698.00
CL 030	Terracotta	06-2	11.00	21.00	35.00	164.00	308.00	576.00
CL 115	Terracotta Grog	06-2	11.00	21.00	36.00	169.50	319.00	598.00
CL 029	Xtra White	06-2	12.00	22.50	41.00	193.50	367.00	694.00
CL 031	Xtra White Sand	06-2	12.00	22.00	40.00	189.00	358.00	676.00
MID-RANGE STONEWARE CONE 4-6								
CL 141	Akio	4-6	12.00	23.00	42.50	201.00	382.00	724.00
CL 140	Arleo Sculpture	4-6	12.00	22.00	41.00	192.50	365.00	690.00
CL 108	BC 6	4-6	12.00	22.50	41.00	193.50	367.00	694.00
CL 114	BCS 6	4-6	12.00	22.00	40.00	189.00	358.00	676.00
CL 079	Bennett	4-6	13.00	25.00	46.00	219.50	419.00	798.00
CL 143	Desert Gold	4-6	11.00	21.00	35.50	165.50	311.00	582.00
CL 032	Idaho Buff	4-6	11.00	21.00	35.50	166.00	312.00	584.00
CL 034	Idaho Buff Grog	4-6	11.00	21.00	37.00	173.50	327.00	614.00
CL 033	Idaho Buff S-M	4-6	11.00	21.00	35.50	166.00	312.00	584.00
CL 035	Idaho White	4-6	11.00	21.00	34.50	162.50	305.00	570.00
CL 161	Naranja	4-6	11.00	21.00	34.50	161.00	302.00	564.00
CL 036	Newcomb 6	4-6	12.00	22.00	40.00	190.50	361.00	682.00
CL 038	Oregon Brown	4-6	11.00	21.00	35.00	164.50	309.00	578.00
CL 039	Oregon Brown Grog	4-6	11.00	21.00	37.00	173.00	326.00	612.00
CL 040	Oregon Red	4-6	11.00	21.00	35.00	163.00	306.00	572.00
CL 041	Oregon Red Grog	4-6	11.00	21.00	36.50	171.00	322.00	604.00
CL 042	Oregon White	4-6	12.00	22.00	40.50	192.00	364.00	688.00
CL218	Plum Black	4-6	12.00	22.00	39.50	187.00	354.00	668.00
CL 043	S M Y	4-6	11.00	21.00	36.50	172.00	323.00	606.00
CL 173	Swan Creek	4-6	11.00	21.00	36.50	172.00	323.00	606.00
CL 056	W M P	4-6	12.00	22.00	40.00	188.00	356.00	672.00
HIGHFIRE STONEWARE CONE 10								
CL 001	Appy	8-11	12.00	22.00	40.00	190.50	361.00	682.00
CL 109	BC 10	8-11	12.00	22.50	41.00	193.00	366.00	692.00
CL 104	BCS 10	8-11	12.00	22.00	40.00	189.00	358.00	674.00
CL 175	Bedrock	8-11	12.00	22.00	40.50	190.50	361.00	682.00
CL 004	CAC White	8-11	12.00	22.50	41.00	194.50	369.00	698.00
CL 003	CDN	8-11	11.00	21.00	38.00	180.00	339.00	638.00
CL 005	Dakota Red	8-11	11.00	21.00	37.50	177.00	333.00	628.00
CL 006	Dakota White	8-11	11.00	21.00	37.00	175.00	330.00	620.00
CL 007	Dakota Yellow	8-11	11.00	21.00	37.50	177.00	334.00	628.00
CL 008	D R S	8-11	11.00	21.00	36.00	168.00	316.00	592.00
CL 009	D R S M	8-11	11.00	21.00	35.50	166.00	312.00	584.00
CL 010	D W S	8-11	11.00	21.00	35.50	167.00	313.00	586.00
CL 012	Littlejohn	8-11	12.00	23.00	41.50	197.00	374.00	708.00
CL 013	Newcomb 10	8-11	12.00	22.00	40.50	191.00	362.00	684.00
CL 144	OH Woodfire	8-11	11.00	21.00	38.00	178.00	336.00	632.00
CL 206	Roads End	8-11	12.00	23.00	42.00	199.50	379.00	718.00
CL 048	Rods Bod CAC	8-11	11.00	21.00	34.50	162.00	303.00	566.00
CL 139	Stoneware Grog	8-11	12.00	22.00	40.00	188.00	357.00	674.00
CL 196	Welmar	8-11	12.00	23.00	42.00	200.00	380.00	720.00
CL 016	Welsh	8-11	13.00	25.00	45.50	217.00	414.00	786.00
CL 211	Yerpride	8-11	13.00	25.00	46.00	218.00	416.00	792.00

All dry clays add \$80.00 per ton. Any clays not listed from Laguna, Aardvark, or Imco may be special ordered. Please contact us for pricing and lead times.

PREPARED CLAY PRICE LIST

ITEM#	DESCRIPTION	CONE	25#	50#	100#	500#	1000#	2000#
MID-RANGE PORCELAIN								
CL 194	Digi 6	4-6	12.00	22.00	40.00	189.00	358.00	674.00
CL 129	English Grolleg 6	4-6	17.00	32.50	61.00	295.00	570.00	1100.00
CL 045	Glacier	4-6	13.00	24.00	43.50	206.00	391.00	742.00
CL 192	JG 6	4-6	15.00	28.00	52.00	249.00	478.00	916.00
CL 106	Mac 6	4-6	12.00	22.50	41.00	193.50	367.00	694.00
CL 178	NZ 6	4-6	19.00	37.00	71.00	343.00	666.00	1292.00
CL 134	OH 6	4-6	12.00	22.00	39.00	185.00	350.00	660.00
CL 046	Rainier	4-6	12.00	23.00	42.50	202.00	384.00	728.00
CL 059	Whitestone	4-6	12.00	23.00	42.00	198.00	376.00	712.00
HIGH TEMP PORCELAIN								
CL 019	CMB	8-11	13.00	24.00	43.50	206.50	393.00	746.00
CL 193	Digi 10	8-11	12.00	22.00	39.00	184.00	348.00	656.00
CL 128	English Grolleg 10	8-11	17.00	32.50	61.00	294.00	568.00	1094.00
CL 131	Helmar (WoodFire)	8-11	12.00	22.50	41.00	194.00	368.00	694.00
CL 216	JG 10	8-11	15.00	28.00	52.00	248.00	476.00	912.00
CL 191	Kleiber	8-11	15.00	28.50	53.50	256.00	492.00	944.00
CL 107	Mac 10	8-11	12.00	23.00	41.00	194.00	368.00	696.00
CL 176	NZ 10	8-11	19.00	37.00	70.00	338.50	656.00	1272.00
CL 136	OH 10	8-11	11.00	21.00	37.50	176.50	333.00	626.00
CL 088	Takamori	8-11	15.00	27.00	50.50	242.00	463.00	886.00
CL 157	Wards B Mix	8-11	13.00	24.00	44.50	212.00	404.00	768.00
CL 021	White Rose	8-11	13.00	24.00	43.50	206.00	391.00	742.00
CL 217	60/40	8-11	13.00	25.00	46.50	221.50	423.00	806.00
LAGUNA CLAYS								
CL 057	B Mix	8-11	13.00	25.00	47.50	227.00	434.00	828.00
CL 058	B Mix Sand	8-11	14.00	26.00	49.00	234.50	449.00	858.00
CL 146	B Mix Cone 5	4-6	14.00	26.00	50.00	238.00	456.00	872.00
CL 147	*B Mix Cone 5 Grog (S/O only)	4-6	14.00	27.00	50.50	242.50	465.00	890.00
CL 179	B Mix Woodfire	8-11	15.00	28.00	53.00	256.00	492.00	944.00
CL 130	Big White	8-11	14.00	26.00	49.50	237.00	454.00	868.00
CL 086	Danish White	8-11	14.00	26.00	50.00	239.00	458.00	876.00
CL 151	Dark Brown	8-11	12.00	23.00	43.50	207.00	394.00	748.00
CL 062	Death Valley	8-11	12.00	23.00	43.00	203.50	387.00	734.00
CL 150	EM 210	06-2	13.00	24.50	47.00	225.00	430.00	820.00
CL 174	Frost 6	4-6	19.50	37.00	72.00	348.50	677.00	1314.00
CL 063	Rods Bod (Laguna)	8-11	12.00	23.00	43.00	205.50	391.00	742.00
CL 159	Refractory Body	8-11	20.00	38.50	74.50	362.00	704.00	1368.00
CL 102	Soldate 30	8-11	12.00	22.00	42.00	199.50	379.00	718.00
CL 148	Soldate 60	8-11	12.00	22.00	42.00	198.00	376.00	712.00
CL 158	WED		13.00	24.50	47.00	224.00	428.00	816.00
CL 075	W S 4	4-6	14.00	25.50	48.50	232.50	445.00	850.00
CL 082	W S 10	8-11	13.00	24.50	46.50	222.50	425.00	810.00
CL 149	WSO	8-11	14.00	27.00	51.00	243.50	467.00	894.00
CL 223	Speckled Buff	4-6	14.00	25.50	48.50	232.50	445.00	850.00
IMCO CLAYS								
CL 070	Navajo Wheel	4-6	12.00	22.00	42.00	200.00	379.00	718.00
AARDVARK CLAYS								
CL 152	Black Mountain	8-11	14.00	26.00	49.00	233.50	447.00	854.00
CL 037	Obsidian	5	19.00	35.00	66.00	321.50	623.00	1206.00
CL 153	Coleman Porcelain	8-11	19.50	37.00	71.00	345.50	671.00	1302.00
CL 214	Aardvark Soldate 60	8-11	13.00	24.00	45.00	213.50	407.00	774.00

*Special order clay only. Call for availability.

PAPER CLAY

P-Clay™ and P-Slip™

P-Clay™ and P-Slip™ are clays and slips made by a patented process utilizing paper fiber to bind the clay together. It is most amazing for sculpture and handbuilding allowing the artist to join wet clay to dry pieces, add dry clay to wet pieces, patch cracks, and even add wet clay to bisque pieces.

P-Clay™ comes in both pug form and slip forms. PUGGED P-CLAY™ is currently available in a low fire white cone 06-2 sculpture mix, cone 06-04 Terracotta, and mid-fire white cone 4-6, and cone 8-11.

The BASIC P-SLIP™ is available in low fire white, terracotta, mid fire white, and high fire white. This mix is designed to be used for attachment slip and is also poured onto plaster to create thin slabs.

CASTING P-SLIP™ is a regular low fire casting slip with fiber added to decrease cracks, and allow for crazy attachments.

As always WE WELCOME SPECIAL MIXES. Adding fiber will increase the cost of your clay body by 175.00 per ton. We will increase the numbers and types of clay with fiber as demand for special mixes warrants.



BOOKS PClay

BK 10242 Paper Clay - Explains how to make, use and fire paper clay and paper slips to the best advantage. This book uses the work of an international group of artists to illustrate the versatility of this fascinating material. Gault \$27.50

ITEM #	CLAY	25#	50#	100#	500#	2000#
PCL100	Low Fire White Paper Clay	15.00	27.00	52.00	246.50	906.00
PCL103	Terracotta Paper Clay	15.00	25.00	48.00	226.50	826.00
PCL104	Cone 6 Mid-range Paper Clay	15.00	27.00	52.00	246.50	906.00
PCL105	Cone 6 Grolleg Paper Clay	22.00	38.00	72.00	350.00	1318.00
PCL106	Oregon Red Paper Clay	15.00	25.00	48.00	228.00	830.00
PCL101	Hi Fire White Paper Clay	15.00	27.00	51.00	244.00	894.00
PCL107	Hi Fire Grolleg Cone 10	22.00	38.00	72.00	349.00	1316.00
ITEM #	SLIP CLAY	PT	QT	GAL	4 GAL	
PCL 200	Low Fire White Paper Slip	6.50	7.50	14.00	34.00	
PCL 203	Terracotta Paper Slip	6.50	7.50	14.00	34.00	
PCL 204	Cone 6 Mid-range Paper Slip	6.50	7.50	14.00	34.00	
PCL 205	Grolleg Cone 6 Paper Slip	8.00	9.00	22.00	64.00	
PCL 206	Oregon Red Paper Slip	6.50	7.50	14.00	34.00	
PCL 201	Hi Fire White Paper Slip	6.50	7.50	14.00	34.00	
PCL207	Grolleg Cone 10 Paper Slip	8.00	9.00	22.00	64.00	

Marsh report summary

This report, completed at the University of Kentucky, Louisville, Kentucky in 1996 by Ginny Marsh, tested a variety of high-fire porcelain and stoneware paper clay recipes with various fillers. Thin-walled paper clays can slump at high temperatures (beyond cone 6) just as much as the normal non-paper clay does. However paper pulp in combination with other fillers improved and corrected slump in many cases.

Fillers that were effective for high temperature paper clays: 1 20% P-Grog can reduce deformation of a 20% (volume) pulp to zero, but 30% wood pulp was too much.

2 Kyanite/feldspar, an invisible addition to stoneware, leaves gray spots on some porcelains. 1-2% of equal parts kyanite/feldspar added to throwing body recipes will correct slumping. (Clays which had slumped 2 mm no longer slumped at all.) However, ratios are critical and all amounts must be specifically tested for the clay body in question.

(Thermal shock tests should be done to verify absorption of free silica with these recipes, also.)

Over 2% kyanite in high-fire clays may defeat the purpose, and by 5% the paper clay will slump as much as the original recipe. "The most effective means of reducing the deformation of porcelain is to make them more refractory," according to Marsh. She suggests a cone 12 rated porcelain base for a slightly less than vitreous cone 9 paper clay result. Fillers

that are more effective in Marsh's test:

1. Molochite: 10% raised blemishes in porcelains and caused glazes to craze so I abandoned it.
2. Alumina: 5% produced no effect on slumping.
3. Calcined EPK reduced the formation but kaolin was better.

Marsh also tested wood fiber pulp compared to cotton linters. She preferred the wood fiber pulp. If you are making substitutions of cotton to wood pulp equivalent amount would be as follows. "This chart makes clear how much cellulose is padded when working with cotton linter pulp" (cotton:96% cellulose, wood pulp: about 50% cellulose)

Percent by Volume in recipe

Cotton Linter	Wood Fiber
5%	9.6%
8%	15.4%
10%	19.2%
15%	28.8%
20%	38.4%
25%	48.8%
30%	57.6%

More detailed testing is currently in progress on high-fire stonewares and porcelains by Marsh and others. In sum, the amount and type of paper pulp used does affect the outcome. Marsh concluded that less than 20% by volume cotton linter is recommended for high-fire porcelain work.

CAC SLIP WET AND DRY

SLIP CASTING CLAYS

Slip casting clays are available wet (ready to use), or in a dry form that needs to be mixed before use. The liquid form comes in 1-gallon jars, or in 4-gallon buckets. The dry clay is either preblended, or in what is known as a "batch mix". With batch mix you get full bags of the particular blend you desire. Typically the low fire batch mix comes in 300 pound increments. There are special blends that only require one bag of each ingredient and they are sold in 100 pound lots. We can make many different blends in all temperature ranges, levels of translucency, and colors.

LIQUID SLIP CASTING CLAYS

SLW129 Grolleg Slip 6

A very smooth white translucent casting slip. Good for small to medium castings. Fires to cone 6.

SLW12 Grolleg Slip 10

This is our cone 10 version of Grolleg casting slip, very white and translucent, this slip fires to cone 10.

SLW 027 Raku

A fine tooth body with kyanite grog. Will resist firing stress and gain in strength as the mullite develops. The clay will fire as hot as cone 2 and retain its off-white color.

SLW 087 Red Art Terracotta

Red Art clay is the basis for this slip. A 'redder' color, smoother texture, and tighter body are characteristics of this clay.

SLW 059 Whitestone

A very smooth porcelain-like stoneware with an off-white color in oxidation. Made without grog to give a porcelain feel.

SLW 021 White Rose

Our most popular porcelain with excellent working properties, good handle attachments, very little cracking and warping, and good throwability. Gray white in reduction, and white in oxidation. The finished body is very tight and fits glazes well.

SLW 029 Xtra White

The whitest of our earthenware bodies. Great for all low fire decorating techniques. This clay is widely used by tile manufacturers.

ITEM#	DESCRIPTION	COLOR	CONE	GAL	4GAL
SLW129	Grolleg Slip 6	White	4-6	17.50	48.75
SLW128	Grolleg Slip 10	White	8-11	17.25	48.50
SLW 027	Raku	White	06-10	14.50	40.50
SLW 087	Red Art Terracotta	Red	06-04	14.50	40.25
SLW 059	Whitestone	White	4-6	10.50	29.50
SLW 021	White Rose	White	8-11	11.00	30.50
SLW 029	Xtra White	White	06-2	10.00	27.75

DRY SLIP CASTING CLAYS

SLD 085 Art Ware S821D

A lowfire Laguna Clay blend which has been made for over 40 years, an old standard.

SLD 129 Grolleg Slip 6

Our whitest and most translucent cone 6 casting slip. This slip works well for small to medium pieces.

SLD 128 Grolleg Slip 10

Our whitest and most translucent cone 10 casting slip. This slip works well for small to medium pieces.

SLD 122 6 Bag Batch Mix

The standard ceramic casting slip. It has a nice white color and fits glazes well. If you leave your pieces in the mold a long time you will want to use this blend because it takes longer to dry, and is more plastic. This is the most popular blend. The standard batch size is on a 300# batch containing: 150lbs Talc, 50lbs Nepheline Syenite, 50lbs SGP ball clay and 50lbs OM4 ball clay.

SLD 027 Raku Slip

A fine tooth body with kyanite grog. Will resist firing stress and gain in strength as the mullite develops. The clay will fire as hot as cone 2 and retain its off white color.

CAC SLIP WET AND DRY

DRY SLIP CASTING CLAYS CONT.

SLD 087 Red Art Terracotta

A smooth textured terracotta body with a rich reddish color.

SLD 059 Whitestone

A very smooth porcelain-like stoneware with an off white color in oxidation. Made without grog to give a porcelain feel.

SLD 021 White Rose

Our most popular porcelain with excellent working properties, good handle attachments, very little cracking and warping, and good throwability. Gray white in reduction, and white in oxidation. The finished body is very tight and fits glazes well.

DRY SLIP CASTING CLAYS

ITEM#	DESCRIPTION	COLOR	CONE	300#	600#	1200#	2400#
SLD122	6 Bag Batch Mix	White	06-2	99.00	186.00	348.00	648.00

ITEM#	DESCRIPTION	COLOR	CONE	50#	100#	500#	1000#	2000#
SLD085	Art Ware S821D	White	06-2	26.60	51.20	246.00	472.00	904.00
SLD129	Grolleg Slip 6	White	4-6	30.50	58.00	280.00	540.00	1040.00
SLD128	Grolleg Slip 10	White	8-11	30.80	59.00	279.00	538.00	1036.00
SLD027	Raku	White	04-10	28.00	52.50	251.00	482.00	924.00
SLD087	Red Art Terracotta	Red	04-06	27.00	52.00	250.00	480.00	920.00
SLD059	Whitestone	White	4-6	24.00	44.50	212.00	403.00	766.00
SLD021	White Rose	White	8-11	24.10	45.20	216.00	411.00	782.00
SLD029	Xtra White	White	06-2	23.00	43.00	206.00	391.00	742.00

THE ART OF SLIPMAKING

Making good slip is the first and most vital step in a successful slip casting operation. Although there are those who will tell you they've been using the same dixie cup for the last ten years to measure sodium silicate, and using a nail on a wooden barrel as a water marker, this approach leaves far too much room for error.

Accurate measurements of weight and specific gravity are important. It doesn't take a ceramic engineer to make a good quality casting slip. Slip mixing *is* a chemical process, which is affected by even the slightest changes in temperature, humidity and the chemicals added to your water supplies. Changes in conditions such as weather and water can affect the mixing formula, but, if you adhere to the following procedures, you will consistently make good slip.

It should be noted that our suggestions are based upon average climatic and water conditions at our lab in Tacoma, WA. Adjustments may be necessary to fit your climate, water quality and general studio or plant conditions. Also, for best results make your slip 24 hours before using it for casting.

EQUIPMENT NECESSARY FOR SLIPMAKING

AN EFFICIENT CASTING ROOM SHOULD BE EQUIPPED WITH THE FOLOWING ITEMS:

1. A slip mixer: A motor and blades which are capable of properly mixing your batch of slip.
2. A gram scale: A postage scale is not accurate enough.
3. A viscometer: Developed to aid in controlling the quality of slip. It is used to weigh the slip, which will show the ratio of clay to water in the slip, and to measure the viscosity of slip, which indicates the amount of slip that flows per second.
4. A container measuring fluid ounces : Sodium silicate for instance, must be measured in fluid ounces, not weighed out on a scale.
5. A hydrometer: The hydrometer is an inexpensive and exceptionally easy to read instrument which displays the viscosity of the slip as it relates to specific gravity.
6. A respirator mask: (OSHA Approved)
7. A sieve (at least 60 mesh.): A Talisman sieve is an invaluable aid in screening your slip. You simply turn the handle and the slip is forced through the screen.

SLIPMAKING

CHEMICALS NECESSARY FOR SLIPMAKING

SODIUM SILICATE	<p>Sodium silicate (N Brand) is a chemical used to deflocculate casting slip. NEVER ADD UNDILUTED SODIUM SILICATE TO THE SLIP BATCH. Too much sodium silicate causes over-deflocculation. With the batch formulas, we have given the ranges from the least to the greatest amounts of sodium silicate needed to deflocculate each batch. If you have had no experience with making slip at your location, measure the least amount of sodium silicate needed with your first one or two batches and "add as needed". It is easier to do this than try to adjust a batch to which too much sodium silicate has been added. Keep careful records of each batch.</p> <p>This is important for future reference. NEVER ADD PREMEASURED SODIUM SILICATE TO THE BATCH ALL AT ONE TIME, ADD ONLY SMALL AMOUNTS.</p> <p>Sodium silicate may be stored for extended periods in tightly closed plastic containers. (However, aluminium, galvanized iron, or zinc containers SHOULD NOT be used.)</p>
SODA ASH	<p>Soda ash works with sodium silicate to aid in the deflocculating. The correct combination of the two will give proper casting qualities. Soda ash works to dissolve lignites in clay. It works as a deflocculant, but if only soda ash is used as a deflocculant, your clay will become sticky. If soda ash is not stored in tightly closed containers, a chemical change occurs and it becomes sodium bicarbonate (baking soda). If this occurs it will then act as a deflocculant (it will thicken) instead of as a deflocculant.</p>
Barium Carbonate (Toxic in raw form)	<p>It is usually necessary to use barium carbonate in your slip batches to neutralize sulfates that are present in the clay, in the water, and/or leached from the molds used in casting. Because of natural changes which occur in the mining of the raw clays, one should add barium carbonate.</p>
DISPERSAL (Darvan)	<p>Dispersion is an organic deflocculant which can be used with less fear of overdeflocculation. It is especially effective in hard water areas. Great to use towards the end of mixing to fine tune the specific gravity of the slip.</p>

MIXING FORMULAS

The hardness or softness of the water in your community will affect the results of your casting slip. Therefore, we will avoid recommending precise amounts of the ingredients in our formulas. Instead, a range of quantities will be given. We recommend that you begin with the minimum amounts of each ingredient and, if adjustments are needed, slowly and carefully add additional quantities.

Formula using 100 lbs. Clay Blend (Yield: 10 Gallons) (Start with MINIMUM AMOUNTS Shown in formula)	
Clay Blend	100 lbs.
Barium Carbonate	1/2 ounce (14.75 gr.)
Soda Ash	1 ounce (28.35 grams)
Water	5 to 5 1/2 gallons (19.50 to 21.45 liters)
Sodium Silicate* (N Brand)	2 1/2 to 3 1/2 fluid ounces (You must dilute this amount with a like amount of water. This will yield 5 to 7 ounces diluted Sodium Silicate.)

* SODIUM SILICATE SHOULD ALWAYS BE DILUTED 1:1 WITH WATER BEFORE BEING ADDED TO THE BATCH.

CONE 06-04 LEAD-FREE LOW FIRE GLOSSY GLAZES



Alpine Rose



Blackberry Wine



Blue Velvet



Caramel



Charcoal Grey



Coral



Clear Base 1



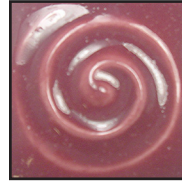
Daffodil Yellow



Dark Chocolate



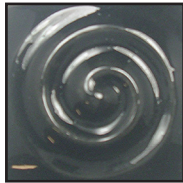
Dark Teal



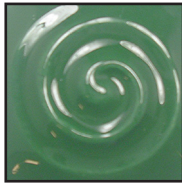
Deep Crimson



Dutch Blue



Ebony Black



Florentine Green



French Green



Jungle Green



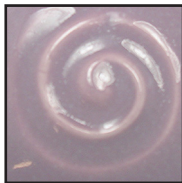
Light Blue



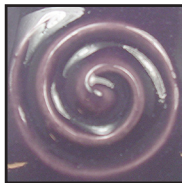
Navajo Turquoise



Orange Sherbet



Orchid



Pansy Purple



Primrose Yellow



Robins Egg



Royal Blue



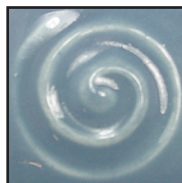
Salsa



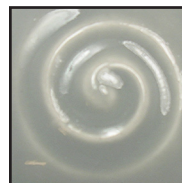
Sandstone



Sesame



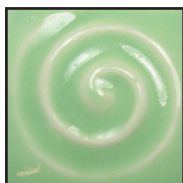
Steel Blue



Taupe



Terracotta



Victoria Green



Walnut



White

CONE 06-04 LEAD-CADMIUM LOW FIRE GLOSSY GLAZES



Lemon Yellow

GLAZE SAMPLE TILES

CONE 06-04 LEAD-FREE LOW FIRE SATIN GLAZES



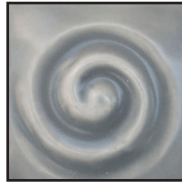
Charcoal Black Satin



Clear Satin



Earth Brown Satin



Grey Satin



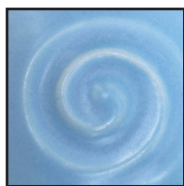
Lemon Drop Satin



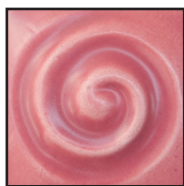
Navajo Blue Satin



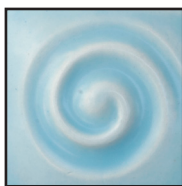
Pampas Grass Satin



Rustic Blue Satin



Strawberry Satin



Turquoise Satin

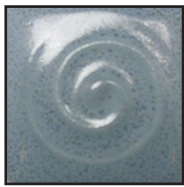


White Satin

CONE 06-6 LEAD-FREE GLOSSY GLAZES



Black



Blue Mist



Blue Green



Blue Grey



Charcoal Grey



Cola Green



Dark Blue



Dark Green



Grey Brown



Hazelnut Brown



Hunter Green



Light Blue



Milky Clear



Off White



Powder Blue



Sandy Tan



Tan Green



Teal Green



Turquoise



White



Yellow



Yellow Green

GLAZE SAMPLE TILES

CONE 4-6 LEAD-FREE BASE GLAZES



Arctic White



Frost Satin Clear



GN Matte



LA Matte



PZN Clear



PZN White



T1 Clear

CONE 5 FROST SERIES GLAZES



Basalt



Blue Mist



Blue Violet



Bone



Candy Red



Cornflower Blue



Emerald Mist



Ivory



Khaki



Sandy



Sea Green

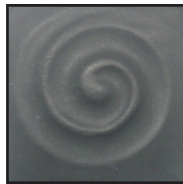


Sienna

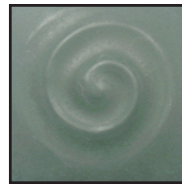
CONE 4-6 STRONTIUM MATTE GLAZES



Chalk



Coal



Forest Green



Jade



Periwinkle



Sapphire



Weathered Bronze

GLAZE SAMPLE TILES

CONE 4-6 P SERIES GLAZES



Sorbet



Light Crimson



Peach



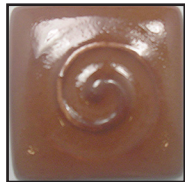
Garnet



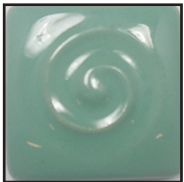
Ravens Brown



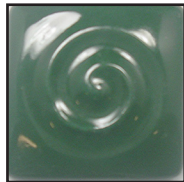
Golden Ambrosia



Cedar



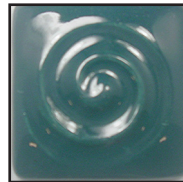
Celadon Green



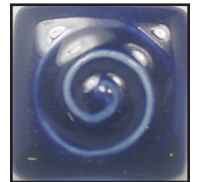
Florentine Green



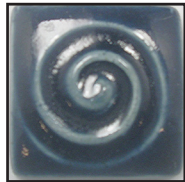
French Green



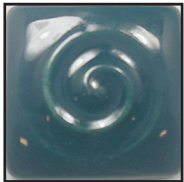
Peacock Green



Ultramarine Blue



Pacific Blue



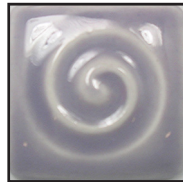
Dark Teal



Blue Bonnet



Light Blue



Orchid



Mulberry



Wisteria



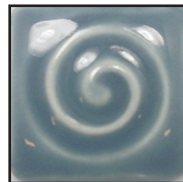
Light Bright Yellow



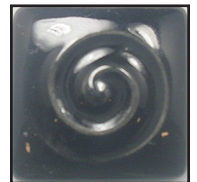
Papaya



Sagebrush Celadon



Cadet Blue



Black Magic



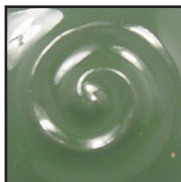
Sunset Red



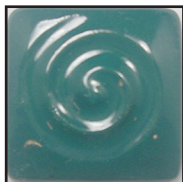
Tangerine Orange



Dark Cobalt



Clover Green



Evergreen



Teal



Summer Green



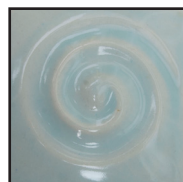
Merlot



Slate Grey



Dove Grey



Blue Ice



PZN Clear



PZN White

GLAZE SAMPLE TILES

CONE 4-6 CRAFTSMAN GLAZES



Amber Teadust



Allspice



Black Cherry



Blue Hare's Fur



Caribbean



Cinnamon



Crocus



Floating Blue



Iridescent Blue



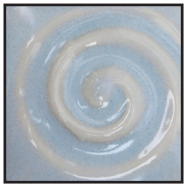
Iridescent Green



Ketchup



Nutmeg



Opal Sky



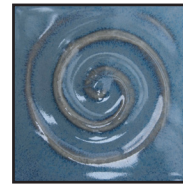
Plum Red



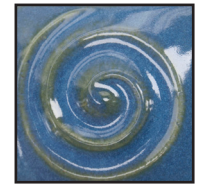
Shore Break



Stellar Rust



Stormy Night



Tidepool

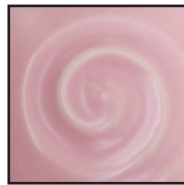


Vanilla Spice

CONE 4-6 SATIN MATTE GLAZES



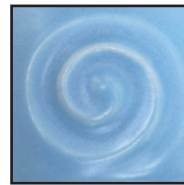
Cantaloupe



Cherry Blossom



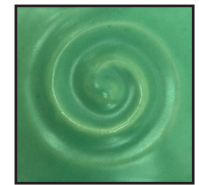
Cornsilk



Denim



Eggplant



Fern



Frost Satin Clear



Linen



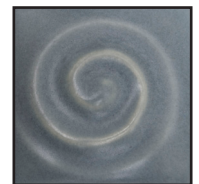
Pistachio



Raven



Ruby



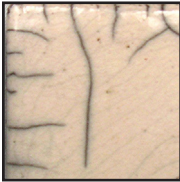
Smoke



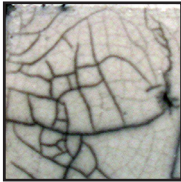
Tamarack

GLAZE SAMPLE TILES

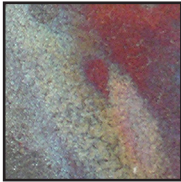
RAKU GLAZES



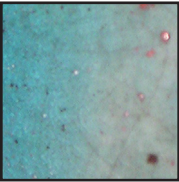
80/20 Clear



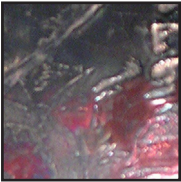
80/20 White



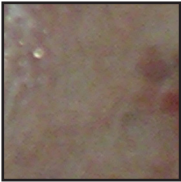
Alligator Patina



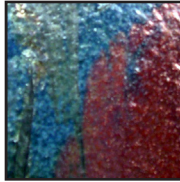
Apple Crackle



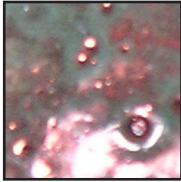
Black Luster



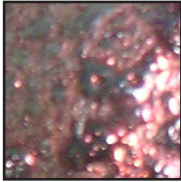
Blue Gold



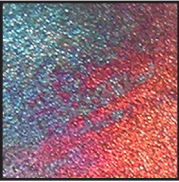
Blue Luster



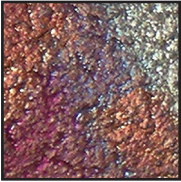
Copper Luster



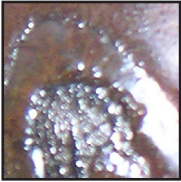
Copper Penny



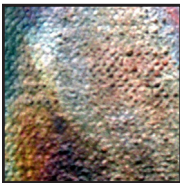
Copper Sand



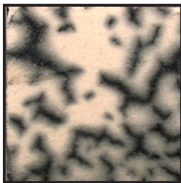
Dolphin Blue



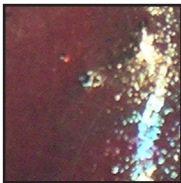
Heavy Metal



Michigan Patina



Naked Raku



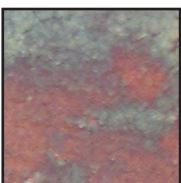
New Black



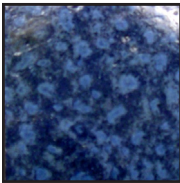
New Raku Red



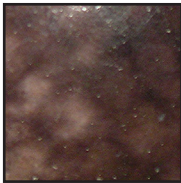
Pac Man



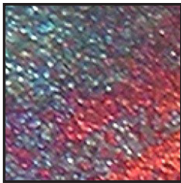
Pipenburg Patina



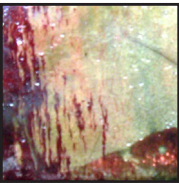
Plum Blue



Purple Luster



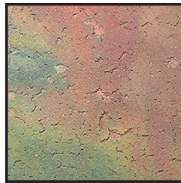
Rainbow



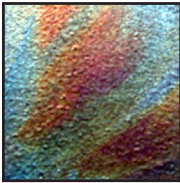
Red Bronze



Red Luster



Roberts Copper Ridge



Tin Can

TERRA SIGILLATA



OM4 Ball Clay



Red Art



Gold Art



C Red



Grolleg



XX Saggarr



EPK



Salmon

GLAZES

CONE 06-04 LEAD-FREE LOW FIRE GLOSSY GLAZES

A basic group of glossy glazes for both the student and the professional. We have a full range of colors from Ebony Black to Primrose Yellow, available in wet form for brushing and pouring. Bulk users may request these glazes in dry form as a **special order**. Low fire gloss glazes are transparent when thin and break over high spots. Apply thicker for deeper color. Because these glazes are LEAD-FREE they look best fired at cone 04

ITEM #	DESCRIPTION	4OZ	PT	QT	GAL
GLW311	Alpine Rose	5.00	17.00	26.25	63.75
GLW313	Blackberry Wine	4.50	16.50	25.50	61.50
GLW326	Blue Velvet	5.00	17.35	26.75	64.80
GLW310	Caramel	4.50	15.75	24.00	58.00
GLW303	Charcoal Grey	4.50	15.80	24.25	58.50
GLW336	Coral	4.00	13.75	21.00	50.25
GLW300	Clear Base 1	3.50	11.25	17.00	40.25
GLW335	Daffodil Yellow	6.50	22.95	35.70	87.75
GLW308	Dark Chocolate	4.00	13.00	19.75	46.75
GLW321	Dark Teal	4.00	13.00	19.75	47.00
GLW312	Deep Crimson	5.00	17.75	27.50	66.75
GLW324	Dutch Blue	4.00	13.60	20.75	49.55
GLW302	Ebony Black	4.50	15.25	23.40	56.50
GLW319	Florentine Green	4.25	14.05	21.45	51.35
GLW320	French Green	4.00	14.00	21.25	51.00
GLW318	Jungle Green	3.50	11.75	17.50	41.25
GLW323	Light Blue	4.00	12.75	19.50	46.25
GLW327	Navajo Turquoise	4.50	15.75	24.00	58.00
GLW334	Orange Sherbet	6.00	19.25	29.75	72.60
GLW314	Orchid	5.00	17.10	26.30	63.75
GLW315	Pansy Purple	5.25	18.10	27.90	67.75
GLW316	Primrose Yellow	4.25	14.75	22.50	54.00
GLW328	Robin's Egg Blue	4.00	12.75	19.25	45.75
GLW325	Royal Blue	4.50	15.00	23.00	55.30
GLW333	Salsa	6.25	21.10	32.75	80.15
GLW305	Sandstone	3.50	11.45	17.35	40.80
GLW309	Sesame	4.00	13.25	20.50	48.50
GLW322	Steel Blue	4.50	15.75	24.05	58.00
GLW304	Taupe	4.00	13.00	20.00	47.25
GLW306	Terracotta	4.00	13.55	20.65	49.30
GLW317	Victoria Green	4.00	13.50	20.50	48.50
GLW307	Walnut	4.00	13.50	20.75	49.25
GLW301	White	3.50	12.00	18.00	42.75

CONE 06-04 LEAD-CADMIUM GLAZES

These intense Reds, Oranges, and Yellows can only be achieved with special lead bearing frits. The glazes are rich with color and shiny in surface appearance. Not recommended to be used on pieces that come into contact with food.

ITEM#	DESCRIPTION	4OZ	PT	QT	GAL
GLW332	Lemon Yellow	8.00	30.30	47.45	117.85

GLAZES

CONE 06- 6 LEAD-FREE GLOSSY GLAZES

An old favorite in the Northwest, around for years, this series of opaque mottled glazes have graced decades of pots. Primarily earth tones of tan, green, turquoise, brown, and black; you can count on these for reliability and consistency. Many potters blend one or more glazes together to yield new colors. Medium application is best. Fire from cone 06 (matte surface) to cone 6 (mottled glossy surface). Recommended firing temperature is cone 2-6. Available in wet or dry.

ITEM #	DESCRIPTION	5#	25#	50#	PT	QT	GAL
GL403	Black	37.50	127.50	204.00	17.10	26.50	79.10
GL423	Blue Fade	39.70	135.00	216.00	18.25	28.25	84.75
GL405	Blue Green	22.00	75.00	121.00	10.60	14.85	40.50
GL401	Blue Grey	20.00	66.50	111.00	9.60	13.45	33.60
GL418	Charcoal Grey	20.35	67.75	113.00	9.80	13.70	34.30
GL408	Cola Green	20.95	70.00	116.50	10.15	14.20	35.55
GL406	Dark Blue	30.95	105.25	168.50	13.95	21.30	62.70
GL409	Dark Green	20.25	67.50	112.50	9.75	13.65	34.15
GL404	Grey Brown	20.05	66.75	111.50	9.65	13.50	33.80
GL417	Hazelnut Brown	26.00	88.50	141.50	11.50	17.50	50.50
GL422	Hunter Green	23.75	80.50	128.50	10.95	15.75	44.50
GL414	Light Blue	20.80	71.00	115.50	10.05	14.05	37.50
GL412	Milky Clear	19.90	66.25	110.50	9.55	13.35	33.45
GL411	Off White	26.00	88.75	141.50	11.50	17.50	50.50
GL421	Powder Blue	33.50	114.00	182.50	15.25	23.50	48.50
GL402	Sandy Tan	25.75	87.25	139.50	11.75	17.25	49.50
GL410	Tan Green	20.25	67.50	112.50	9.75	13.65	34.15
GL420	Teal Blue	24.50	83.25	133.00	10.95	16.25	46.50
GL407	Turquoise	20.90	69.50	116.00	10.10	14.15	35.35
GL413	White	20.45	68.00	113.50	9.85	13.80	34.75
GL416	Yellow	32.75	111.25	178.00	14.75	22.75	67.00
GL419	Yellow Green	29.50	100.50	161.00	13.25	20.25	59.25

GLAZES

CONE 4-6 LEAD-FREE BASE GLAZES

From the super reliable PZN Clear and PZN White to the nice, mellow GN Matte, you will find our base glazes to be an effective way to streamline your classroom or studio. No need to stock tons of raw materials, just keep the base glazes around and add stains or colorants.

Special orders for your own base glazes are gladly accepted. Recipes are confidential and only made for you.

ITEM #	DESCRIPTION	PT	QT	GAL	5#	25#	50#
GL203	Arctic White	10.50	14.50	36.00	25.00	83.00	138.00
GL600	Frost Satin Clear	7.75	10.75	26.50	20.00	66.25	110.50
GL204	GN Matte	10.00	14.00	34.75	24.25	80.50	134.00
GL206	L A Matte	9.20	12.90	32.20	22.85	76.20	127.00
GL200	PZN 3.5 Clear	9.50	13.25	32.95	23.25	78.50	129.00
GL201	PZN White	10.00	14.00	35.00	24.25	80.75	134.50
GL208	T1 Clear	---	---	---	22.85	76.20	127.00

CONE 5 FROST SERIES GLAZES

This satin series of Cone 5 glazes offers a wonderful range of rich, warm, earthy colors. Suitable for artware. You can buy these wet for brushing or dry for dipping. Fired to cone 5 you will get nice opaque satin textures. Fired hotter, up to cone 6, the glazes will break, yielding solid colors with small crystals floating on the surface. Medium application for best results.

ITEM#	DESCRIPTION	PT	QT	GAL	5 #	25 #
GL906	Basalt	13.65	19.50	49.50	33.00	112.25
GL900	Blue Mist	11.75	16.50	41.50	28.75	97.50
GL916	Blue Violet	14.65	20.80	53.25	35.15	119.50
GL914	Bone	10.00	13.75	34.00	24.50	83.50
GL918	Candy Red	33.25	48.00	128.00	76.25	259.50
GL908	Cornflower Blue	11.50	16.25	40.75	28.25	96.00
GL901	Emerald Mist	10.75	15.00	37.75	26.50	90.00
GL919	Ivory	9.00	12.25	30.00	22.25	75.75
GL904	Khaki	10.50	14.75	36.50	26.00	88.00
GL913	Sandy	11.50	16.00	40.00	27.75	94.50
GL902	Sea Green	11.50	16.25	40.50	28.00	95.50
GL905	Sienna	11.00	15.50	38.50	27.00	91.75

CONE 4-6 STRONTIUM MATTE GLAZES

This is a popular "art" glaze line that breaks with dynamic and varied results. They are reactive to clay bodies, stains, and colorants which makes them ideal for sculptural work. Fire from cone 4 to cone 6. Do not use for food contact surfaces. The glaze will take on tones from underglaze work.

ITEM#	DESCRIPTION	PT	QT	GAL	5 #	25 #
GL806	Chalk	13.75	19.50	49.75	33.25	112.75
GL805	Coal	17.00	24.25	63.00	40.50	137.50
GL803	Forest Green	15.00	21.25	54.25	35.75	121.50
GL801	Jade	15.00	21.25	54.75	36.00	122.00
GL800	Periwinkle	15.00	21.25	54.75	36.00	122.00
GL804	Sapphire	15.00	21.50	55.00	36.00	122.50
GL802	Weathered Bronze	15.50	22.00	56.75	37.00	126.00

GLAZES

CONE 4-6 P SERIES GLAZES

Our professional gloss series of cone 6 glazes are designed to yield consistent and reliable results for both the teacher and professional. Based on our tried-and-true PZN clear base glaze, we have created a full palette of transparent colors, from rich strawberry reds, to plum purples, and chartruese greens. Our color names were selected to effectively describe the colors of this line of glazes. This glaze line was developed to fit most cone 6 clays. They have a smooth creamy consistency for brushing and can be made dry for dipping. Suitable for production work and artware. Fire from cone 4 to cone 6. Thin application will be transparent with breaks over texture. Thicker application will yield deep solid color.

ITEM#	DESCRIPTION	PT	QT	GAL	5#	25#
GLP01	Sorbet	15.25	23.75	63.50	40.75	138.50
GLP02	Light Crimson	16.25	25.25	67.75	43.00	146.50
GLP03	Peach	14.65	22.75	60.50	39.25	133.25
GLP04	Garnet	15.25	23.75	63.50	40.75	138.50
GLP05	Ravens Brown	11.55	17.75	46.50	31.50	106.50
GLP06	Golden Ambrosia	11.25	17.25	44.75	30.50	103.75
GLP08	Celadon Green	11.85	18.25	47.75	32.00	109.00
GLP09	Florentine Green	13.00	20.00	53.00	35.00	119.25
GLP10	French Green	12.00	18.50	48.50	32.50	110.25
GLP11	Peacock Green	11.50	17.50	45.75	31.00	105.00
GLP12	Ultramarine Blue	12.25	18.80	49.50	33.00	112.50
GLP13	Pacific Blue	12.30	18.90	49.80	33.25	113.00
GLP14	Dark Teal	14.50	22.25	59.50	38.50	130.75
GLP15	Blue Bonnet	13.25	20.50	54.50	35.75	121.75
GLP16	Light Blue	10.00	15.00	38.75	27.25	92.25
GLP17	Orchid	14.00	21.75	57.75	37.50	127.75
GLP18	Mulberry	16.50	25.75	68.75	43.75	148.50
GLP19	Wisteria	13.50	21.00	55.50	36.50	123.75
GLP20	Light Bright Yellow	13.00	20.25	53.50	35.25	119.75
GLP21	Papaya	13.50	20.75	54.75	36.00	122.25
GLP22	Sagebrush Celadon	9.25	14.00	35.75	25.50	86.75
GLP23	Cadet Blue	10.25	15.50	40.00	27.75	94.50
GLP24	Black Magic	13.75	21.10	56.00	36.75	124.75
GLP25	Sunset Red	18.25	28.55	77.25	48.50	164.50
GLP26	Tangerine Orange	17.00	26.50	71.25	45.00	153.25
GLP27	Dark Cobalt	16.35	25.55	68.65	43.60	148.50
GLP28	Clover Green	9.00	13.75	35.00	25.00	85.00
GLP29	Evergreen	13.25	20.50	54.00	35.50	120.75
GLP30	Teal	16.75	26.15	70.50	44.60	151.75
GLP32	Summer Green	12.00	18.50	48.75	32.75	111.00
GLP33	Merlot	17.80	27.90	75.40	47.50	161.00
GLP34	Slate Grey	12.25	18.75	49.50	33.00	112.00
GLP35	Dove Grey	9.00	13.75	34.75	25.00	84.75
GLP36	Blue Ice	10.25	15.50	40.00	28.00	94.75
GL200	PZN 3.5 Clear	9.50	13.25	32.95	23.25	78.50
GL201	PZN White	10.00	14.00	35.00	24.25	80.75

GLAZES

CONE 4-6 CRAFTSMAN GLAZES

We have developed some new and exciting glazes for cone 5 firings.

Amber Teadust	This shiny glaze is amber where thin, black where thick with gold to green crystals.
Black Cherry	A shiny deep cherry red base color with lavender flecks, apply thick for best results.
Blue Hare's Fur	A shiny dark bluish green glaze with light blue highlights.
Caribbean	Turquoise shiny glaze with mottling of greens and blues.
Crocus	A rich satiny rust colored glaze that has a reduction look to it.
Floating Blue	A blue and green glossy mottled glaze, which breaks from light green to light blue.
Iridescent Blue	A blue grey color when thin, metallic black when thick, this glaze is iridescent.
Iridescent Green	This glaze also has an iridescent green sheen with flecks of rust. When fired on dark clay the speckling is much more pronounced.
Ketchup	Rust red crystals float on a greenish background in this glossy glaze.
Opal Sky	Shiny mottled light blue opalescent glaze.
Plum Red	A plum colored glossy glaze that breaks with light blue flecks.
Shore Break	Shiny amber beige base with lavender mottling.
Stormy Night	Glossy dark blue background with light blue mottling.
Tidepool	This glossy mottled green glaze breaks from light green to dark green.

ITEM#	DESCRIPTION	PT	QT	GAL	5#	25#
GL224	Amber Teadust	10.50	14.50	36.50	25.00	83.50
GL209	Allspice	10.55	14.75	36.95	25.40	84.50
GL223	Black Cherry	11.50	16.00	40.00	26.75	89.25
GL221	Blue Hare's Fur	9.75	13.75	34.00	24.00	79.50
GL225	Caribbean	8.50	12.00	29.75	21.75	72.00
GL210	Cinnamon	11.75	16.25	40.50	27.25	90.50
GL220	Crocus	14.00	19.50	48.75	31.50	104.50
GL217	Floating Blue	10.25	14.25	35.50	24.75	82.00
GL215	Iridescent Blue	18.40	25.75	64.40	39.45	131.50
GL214	Iridescent Green	17.25	24.25	60.50	37.50	124.75
GL219	Ketchup	9.00	12.75	31.50	22.50	75.00
GL211	Nutmeg	12.75	17.75	44.25	29.00	96.75
GL226	Opal Sky	9.00	12.50	31.00	22.25	74.25
GL218	Plum Red	16.50	23.00	57.00	35.75	119.00
GL227	Shore Break	8.50	12.00	29.75	21.50	71.75
GL212	Stellar Rust	19.25	27.00	67.50	41.00	136.50
GL228	Stormy Night	10.00	14.00	35.00	24.25	80.75
GL222	Tidepool	11.50	16.00	39.50	26.75	88.75
GL213	Vanilla Spice	8.50	11.75	29.50	21.50	71.50

CONE 4-6 SATIN MATTE GLAZES

These glazes offer a very smooth waxy surface. A beautiful array of soft mellow colors compliment this satin surface. The Frost Satin Clear works great when applied over underglaze decoration. The underglaze colors pop through the satin finish resulting in a beautiful surface decoration.

ITEM#	DESCRIPTION	PT	QT	GAL	5#	25#
GL607	Cantaloupe	11.75	16.45	41.15	27.45	91.50
GL608	Cherry Blossom	10.50	14.75	36.75	25.25	84.00
GL609	Cornsilk	11.80	16.50	41.30	27.55	91.75
GL610	Denim	10.75	15.00	37.75	25.75	85.50
GL612	Eggplant	12.50	17.50	43.50	28.75	95.50
GL605	Fern	8.25	11.50	28.75	21.00	70.25
GL600	Frost Satin Clear	7.75	10.75	26.50	20.00	66.25
GL601	Linen	8.25	11.50	28.75	21.00	70.50
GL604	Pistachio	8.00	11.25	28.00	20.75	68.75
GL602	Raven	12.00	16.75	41.75	27.75	92.50
GL611	Ruby	12.50	17.25	43.00	28.50	95.00
GL603	Smoke	9.75	13.50	34.00	23.75	79.00
GL606	Tamarack	11.00	15.25	38.25	26.00	86.50

GLAZES

CONE 10 HIGH FIRE GLAZES

We offer an extensive line of cone 10 glazes. These are available in dry form and wet by special order. You will recognize many common glaze names with others only available from CAC. From reliable clears and copper reds to mattes and ash glazes, you will be able to get just about everything from this group of reliable performers.

ITEM#	DESCRIPTION	5#	25#	50#
GLD520	Ash Black	40.80	138.75	222.00
GLD599	Ash Blue	45.60	155.25	248.00
GLD598	Ash Gold	27.00	91.50	146.50
GLD521	AW2 Clear	14.25	48.50	77.50
GLD522	AW2 Light Blue	15.25	51.75	82.50
GLD597	AW2 White	17.25	58.50	93.50
GLD523	Bamboo	22.75	77.50	124.00
GLD524	Bright Brown Black	17.75	59.75	96.00
GLD525	Bruno's White	17.25	58.50	94.00
GLD526	Celadon Clear	13.00	44.50	71.00
GLD527	Celadon 2% Ochre	14.25	48.00	77.00
GLD528	Chun Clear	16.50	55.50	89.00
GLD573	Chun Mottled Blue	29.75	101.25	162.00
GLD529	Chun 3% Tin	27.00	91.50	146.50
GLD531	Cinnamon	24.25	82.25	131.50
GLD572	Derek Emm's Chun	17.75	60.00	96.00
GLD534	#16 Clear	15.50	52.75	84.50
GLD535	Eggshell	14.00	47.00	75.50
GLD536	Ferg	17.50	59.00	94.50
GLD533	Flambe	20.25	69.00	110.00
GLD538	Hoover's Blue	22.00	75.00	120.00
GLD596	HPQ Red (Copper Red)	24.50	83.25	133.00
GLD539	Joe's Waxy	18.75	63.00	101.00
GLD540	KCNST	16.75	57.00	91.50
GLD541	Leaches Clear	13.25	44.50	71.50
GLD542	Leaches 1% Iron	13.50	45.75	73.00
GLD543	Leaches 3% Iron	14.25	48.00	76.50
GLD544	Mamo	46.25	157.25	251.50
GLD500	Maria's Brown	23.25	79.00	126.50
GLD501	Maria's Gold	22.65	77.00	123.00
GLD502	Maria's White	22.25	75.50	121.00
GLD545	Oatmeal Powdered Ilmenite	21.60	73.50	117.50
GLD504	Ohata Khaki	18.00	61.50	98.50
GLD505	Pearly Warren	13.25	44.75	71.50
GLD506	Phil's Iron	16.50	55.75	89.50
GLD507	R11	13.25	45.25	72.50
GLD508	Red Iron	22.00	74.25	119.00
GLD565	Regnor's Purple	18.50	62.50	100.00
GLD568	Rhodes Black	58.75	199.75	319.50
GLD509	Rich Blue Matte	42.35	144.00	230.50
GLD546	Rutile Blue	19.50	66.25	106.00
GLD510	Seacrest Purple	18.25	62.00	99.00
GLD530	Shaner's Blue	39.20	133.25	213.00
GLD570	Shaner's Clear	16.25	55.00	88.00
GLD511	Shaner's Gold	17.75	59.75	96.00
GLD513	Stoney White	13.75	46.75	75.00
GLD514	Tan Matt	17.50	59.50	95.00
GLD515	Temmoku	17.75	59.75	96.00
GLD519	Waxy Black	30.00	101.50	162.50
GLD516	Waxy Brown	16.00	54.00	86.50
GLD517	Waxy Pale Blue	26.00	88.75	142.00
GLD518	Waxy White	14.75	50.00	80.00
GLD547	Yanagihara White	14.00	47.00	75.50

RAKU GLAZES

RAKU GLAZES

Of the many great glazes available to us, we have picked out this group of classic recipes. They cover the range of effects from white crackle, to copper patina, to halo oxide decoration. We have many more glazes available and would be happy to mix any of them for you. Firing technique will affect the appearance of glazes. Your results may vary from our description.

RG100 80/20 Clear

This is a good crackle clear that works well over all clays including our raku slip. Inexpensive and reliable, we package this both wet or dry. Fire to cone 06. Use about 5# dry per gallon.

RG101 80/20 White

A white version of our clear, very reliable. Fire to cone 06. Use about 5# dry per gallon.

RG102 Alligator

Use this dry patina matte thinly to get a fine coating of iridescent copper luster or apply thickly for a broken-up alligator skin appearance. Fire from cone 08 up to cone 04. Use about 4# dry per gallon. It makes an interesting electric kiln glaze as well.

RG111 Apple Crackle

Apple green in oxidation, copper highlights in reduction this very reliable glaze fires to cone 06 with a medium application.

RG115 Black Luster

Chunks of soda ash create a halo burst of iridescence over a black background. Leave the chunks in when you mix this glaze. Use 5# of dry glaze per gallon. Fire to cone 06-04.

RG123 Blue Gold

Reduce this glaze heavily for best results. A lusty golden blue glossy glaze with green and purple highlights where thin. Fire to cone 06.

RG116 Blue Luster

Cobalt and copper combine to give an iridescent blue with highlights. Use about 5# of dry glaze per gallon. Fire to cone 06 with a medium application.

RG106 Copper Halo Wash

Applications of this wash can yield dark brush marks with distinctive white halos surrounding the brush work on bare clay. Apply thinly, mix as needed, works best over terra sigillata surfaces.

RG107 Copper Luster

If not reduced heavily, or left to cool a little before reducing this glaze will yield turquoise tones with copper flashing. Use about 5# of dry glaze per gallon. Fire to cone 06.

RG104 Copper Penny

A glossy glaze that flashes copper with shades of green, purple, and blue. Use about 5# of dry glaze per gallon. Fire to cone 06.

RG113 Copper Sand

A shinier patina tending to silvery highlights with blues and greens. Use about 4# of glaze per gallon. Fire to cone 06.

RG103 Dolphin Blue

The name is a very apt description of this lustrous flashy patina. It is a very popular glaze. Apply thinly, fire to cone 08 or up to cone 04. Use 4# of dry glaze per gallon.

RG108 FC Ball Slip

A basic porcelain slip which will produce a terrific white background when you use 80/20 Clear. This is used to "hide" an off white, tan, or dark clay.

RG118 Heavy Metal

Super-saturated glaze designed to yield a metallic coating with blue and copper overtones. Fire to cone 06-04.

RG126 Michigan Patina

A classic Patina glaze with flashes of copper in reduction. Fire to cone 06.

RG125 Naked Raku

Resist slip used in the naked raku process. Fire to 1500 degrees F. Must use a thin coating of Naked Raku Top Coat on the surface.

RG132 Naked Raku Top Coat

A low temperature clear glaze used over the top of Naked Raku.

RG120 New Black

A glossy black with copper highlights, strong metallic look when reduced heavily. Medium application. Fire to cone 06-04. Use 5# dry glaze per gallon.

RG133 New Raku Red

A high gloss deep red glaze that can be used in both reduction and oxidation. Reduce lightly for best results. This glaze is not food safe, and extreme care should be exercised when using this glaze. Fire to cone 06, this glaze will run at higher temperatures. Contains lead and cadmium.

RG110 Pac Man

"Old reliable" a glossy patina glaze with gold/copper highlights. Great glaze for refiring over bad glazes. Use about 5# of glaze per gallon. Fire to cone 06.

RG112 Pipenburg Patina

This name is a very apt description of this basic dry patina glaze with copper highlights in reduction. Fire to cone 06.

RAKU GLAZES

RG121 Plum Blue

Purplish-blue glaze with copper highlights. Use 5# of dry glaze per gallon.

RG119 Purple Luster

A shiny purple glaze colored with manganese dioxide. Medium application. Fire to cone 06-04.

RG131 Rainbow Raku

This new glossy patina is self descriptive, with a vibrant color spectrum. Fire to cone 06.

RG109 Red Bronze

A copper red raku glaze that will give you red highlights if you reduce it in the kiln prior to post reduction. Flashes green when oxidized. Fire cone 06-04. Use about 5# of glaze per gallon.

RG114 Red Luster

Red copper oxide is used in the production of this glossy glaze. A soft patina glaze that goes dry when reduced heavily. Iridescent, shiny patina with medium reduction.

RG105 Tin Can

This patina is smoother and slightly shinier than Pac Man. It tends more to bluish tones rather than copper. Use about 3# of glaze per gallon. Fire to cone 06-04.

RG134 Raku Sealer

Used to protect and seal the clay and glaze. Will help Raku Pottery to maintain it's color along with adding a slight sheen.

Item #	DESCRIPTION	PT	QT	GAL	5#	25#	50#
RG100	80/20 Clear	8.15	11.40	28.55	20.75	70.50	113.00
RG101	80/20 White	8.75	13.00	33.00	24.00	81.50	130.00
RG102	Alligator Patina	15.25	23.75	63.25	40.75	138.00	221.00
RG111	Apple Crackle	20.50	32.00	87.25	54.00	183.25	293.00
RG115	Black Luster ***	15.00	23.50	62.75	40.50	137.50	220.00
RG123	Blue Gold ***	32.75	52.25	144.50	85.50	291.00	465.00
RG116	Blue Luster	16.25	25.50	68.00	43.50	147.50	236.00
RG106	Copper Halo Wash ***	145.50	235.75	667.00	-----	-----	-----
RG107	Copper Luster	9.40	13.15	32.90	24.00	81.00	129.50
RG104	Copper Penny	12.75	19.75	52.00	34.50	117.00	187.50
RG113	Copper Sand	18.50	28.75	77.75	48.75	165.25	264.50
RG103	Dolphin Blue	26.50	42.00	115.50	69.50	236.00	377.00
RG108	FC Ball White Slip	6.90	9.65	25.00	15.10	50.40	84.00
RG118	Heavy Metal	53.00	85.00	238.00	137.50	467.00	748.00
RG126	Michigan Patina	25.00	39.75	109.00	66.00	223.75	358.00
RG125	Naked Raku	6.90	9.65	24.15	15.10	50.40	84.00
RG132	Naked Raku Top Coat	12.75	18.00	48.00	32.75	111.25	178.00
RG120	New Black	31.00	49.25	136.00	81.00	275.00	440.00
RG133	New Raku Red	57.75	93.00	260.00	149.50	508.50	813.00
RG110	Pac Man	12.50	19.00	50.00	33.25	113.25	181.00
RG112	Pipenburg Patina	11.50	17.75	46.50	31.25	106.50	170.00
RG121	Plum Blue	23.50	37.00	101.50	61.75	210.25	336.00
RG119	Purple Luster	13.50	20.75	54.75	36.00	122.50	195.50
RG131	Rainbow Raku	13.30	19.00	49.50	33.00	112.50	180.00
RG109	Red Bronze	13.30	19.00	49.50	33.00	112.50	180.00
RG114	Red Luster	17.00	26.50	71.50	45.25	154.00	246.00
RG105	Tin Can	22.20	31.75	86.50	53.50	182.00	291.00
RG134	Raku Sealer	5.00	9.00	30.00			

*** These glazes come only in the dry form. Mix only the amount you plan to use at each glazing. These glazes contain soluble materials. Blue Gold contains silver nitrate store away from any light source.

RAKU GLAZES-TERRA SIGILLATA

ITEM#	DESCRIPTION	5#	25#	50#
R01	White Matt	8.10	36.00	65.00
R02	Tutti Frutti	9.80	43.50	78.50
R08	Soda	14.75	65.50	118.00
R09	Begs	8.35	37.00	66.50
R10	Bright Buff	9.10	40.50	73.00
R11	Borax	12.85	57.00	102.50
R12	Blackfoot	22.15	98.50	177.50
R13	Copper	17.55	78.00	140.50
R14	Lithium Slip	66.85	297.00	534.50
R15	Dark Red	17.35	77.00	138.50
R19	Cornwall Stone	9.35	41.50	75.00
R20	Raku Burst	16.35	72.50	130.50
R21	Bronze	42.10	187.00	336.50
R22	Awabi Shell	23.50	104.50	188.00
R23	Uguisi Nightingale	23.50	104.50	188.00
R24	Dynasty Blue	24.65	109.50	197.00
R25	Black Lacquer	40.95	182.00	327.50
R26	Kingin Gold Silver	23.20	103.00	185.50
R27	Shinju	28.00	124.50	224.00

Clay Art Center Terra Sigillata

Terra Sigillata (or "earth seal") is a slip containing very fine particles. It is created by a process of separation. We grind, using a ball mill, specially selected clays and water until the particles are extremely small. Deflocculant is added and the mixture is allowed to settle for twenty-four to forty-eight hours. The fluid left on top after settling is terra sigillata. Longer settling will yield a finer, higher quality product. After application, simple polishing with your hands or a soft cloth will shine terra sigillata to a high gloss. This smooth surface is ideal for decoration especially with smoke firing and other primitive techniques. After firing you will have a smooth, weather resistant coating much like a glaze.

History: Historically terra sigillata has been used as a sealer and decorative coat on pottery for thousands of years. Common examples are the Roman red black pottery, and the black polished Native American Indian pottery of the Southwest. Contemporary uses include raku, smoke firing and other techniques that emphasize the surface.

Types of Terra Sigillata: We offer several different colors of terra sigillata which can be used to create an extremely wide range of effects. Our basic mix is a white ball clay. Used alone, it is a beautiful satiny white. We are also offering a red clay terra sigillata made from Red Art and a tan terra sigillata made from Gold Art. The white, red and tan slips can be inter-mixed to yield different tones.

How to Make Finer Slip: Our terra sigillatas are ball milled for forty-eight hours with deflocculant, water is added to a standard dilution and the slip is then bottled and ready to use. Stir the entire bottle including the hard layer in the bottom. As it settles, the terra sigillata will yield a finer product.

Application and Firing: Terra sigillata can be applied by spraying, dipping or brushing, at all stages of construction. Apply several coats and burnish or simply polish with your hands or a soft cloth when damp/dry to the touch. Polish between coats for the glossiest surfaces. Terra sigillata can be fired at any temperature but the polished surface will start to break down when fired over cone 04. Use as a slip/engobe up to cone 10 and above.

ITEM#	DESCRIPTION	PT	QT	GAL
TE100	Terra Sigillata -OM4 Ball Clay	\$7.95	\$12.95	\$40.00
TE101	Terra Sigillata - Red Art	\$7.95	\$12.95	\$40.00
TE102	Terra Sigillata - Gold Art	\$7.95	\$12.95	\$40.00
TE103	Terra Sigillata - C-Red	\$7.95	\$12.95	\$40.00
TE104	Terra Sigillata - Grolleg	\$7.95	\$12.95	\$40.00
TE105	Terra Sigillata - Sagger XX	\$7.95	\$12.95	\$40.00
TE106	Terra Sigillata - EPK	\$7.95	\$12.95	\$40.00
TE107	Terra Sigillata - Salmon	\$7.95	\$12.95	\$40.00

Color samples can be found on the Glaze Sample Tiles page 22.

TERRA SIGILLATA

Clay Art Center Colored Terra Sigillata

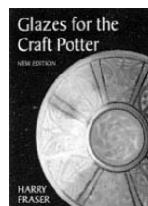
Try these new colored Terra Sigillatas: These new colored Terra sigillatas work great with the naked raku technique. Soft pastel colors contrast with the black lines created by the naked raku firing. These colored Terra Sigillatas must be polished before the bisque firing. The surface is more of a satiny sheen in comparison to the shiny surface of our regular Terra Sigillatas.

Application and Firing: Terra sigillata can be applied by spraying, dipping or brushing, it works best if applied to bone dry greenware. Apply several coats and burnish or simply polish with your hands or a soft cloth when damp/dry to the touch. Polish between coats for the glossiest surfaces. Terra sigillata can be fired at any temperature but the polished surface will start to break down when fired over cone 04. Use as a slip/engobe up to cone 10 and above.

ITEM#	DESCRIPTION	PT	QT	GAL
TE108	Terra Sigillata - Baby Blue	\$14.95	\$24.95	\$79.95
TE109	Terra Sigillata - Blue	\$14.95	\$24.95	\$79.95
TE110	Terra Sigillata - Green	\$14.95	\$24.95	\$79.95
TE111	Terra Sigillata - Pink	\$14.95	\$24.95	\$79.95
TE112	Terra Sigillata - Yellow	\$14.95	\$24.95	\$79.95
TE113	Terra Sigillata - Orange	\$14.95	\$24.95	\$79.95
TE114	Terra Sigillata - Red	\$14.95	\$24.95	\$79.95
TE115	Terra Sigillata - Lavender	\$14.95	\$24.95	\$79.95



Kate & Will
Jacobson



Glazes for the Craft Potter

This is a new edition of Harry Fraser's classic book on glaze technology and practice. He discusses composition and formula as well as glaze preparation and raw materials. Contains a new chapter on health and safety. Harry Fraser

UNDERGLAZES

Leadless Underglaze

Leadless underglazes are the product of years of development with input from ceramic engineers, industrial users and artisans. These pigment-rich underglazes are made with the finest leadless materials and finely ground over time in water-based media to ensure even consistency. This underglaze line includes many improved products for replacement of the discontinued ARTEX underglazes. Underglazes are available in 4 oz., 1 pint, 1 quart, and 1 gallon sizes.

These underglazes may be used on greenware or bisque. Optimum color brilliance can be expected under oxidation firing conditions between cone 06 to cone 1. As with Artex underglazes, many of them will go higher, up to cone 10. Underglaze colors are more brilliant when used with a lead-bearing covering glaze and more subdued with a leadless glaze. *Clay Art Center does not recommend the use of lead-bearing covering glazes for food or beverage service ware.* Fired underglazes may also be used for a decorative matte surface without a protective covering glaze. Before use in production, the user must determine the suitability of the product and all materials and conditions used in the production of the product for the specific product use intended. The user/producer shall assume all responsibility in connection with their use.

WARNING: These underglaze products contain leadless calcined inorganic pigments, leadless frits, clays, and other typical mineral silicates. These ingredients are potentially hazardous to the health of humans and animals and should not be inhaled or ingested, nor should they come into prolonged contact with skin.

ITEM#	DESCRIPTION	4oz.	PT	QT	GAL
UGF01	Pelican Grey	6.90	20.75	34.70	116.40
UGF02	Sandy Beige	8.50	25.55	42.70	143.05
UGF03	Desert Gold	7.15	21.50	35.90	120.45
UGF04	Antique Bronze	9.20	27.55	45.95	154.00
UGF05	Desert Rose	7.95	23.80	39.75	133.30
UGF06	Leather Brown	7.10	21.30	35.55	119.25
UGF07	Mahogany Brown	7.75	23.30	38.90	130.50
UGF08	Dark Brown	7.80	23.35	39.00	130.75
UGF09	Foliage Green	7.35	22.05	36.90	123.70
UGF10	Pastel Gray	7.05	21.20	35.45	118.95
UGF11	Tumbleweed	9.55	28.60	47.75	160.00
UGF12	Harvest Yellow	8.75	26.20	43.75	146.55
UGF13	Golden Orange	7.90	23.75	39.70	138.10
UGF14	Sienna Tan	10.10	30.35	50.70	169.70
UGF15	Moroccan Red	13.70	41.05	68.50	229.10
UGF16	Red Brown	7.90	23.65	39.45	132.35
UGF17	Emerald Green	7.20	21.65	36.20	121.40
UGF18	Olive Grey	8.55	25.70	42.90	143.80
UGF19	Ivory	7.35	22.10	36.90	123.80

ITEM#	DESCRIPTION	4oz.	PT	QT	GAL
UGF20	Vivid Yellow	9.35	28.10	46.95	157.30
UGF21	Sunflower Yellow	7.40	22.20	37.10	124.50
UGF22	Mandarin Orange	12.70	38.05	63.50	212.40
UGF23	Red Orange	16.25	48.75	81.40	272.05
UGF24	Cardinal Red	14.00	41.15	68.45	204.75
UGF25	Yule Green	8.10	24.30	40.60	136.05
UGF26	Paris Green	9.30	27.88	46.55	155.95
UGF27	Spring Green	8.40	25.15	42.00	140.80
UGF28	Primrose Yellow	8.05	24.15	40.40	135.35
UGF29	Nude Pink	9.15	27.50	45.90	153.85
UGF30	Shell Pink	9.85	29.50	49.30	165.00
UGF31	Coral Pink	10.75	32.25	53.90	180.35
UGF32	Light Crimson	9.40	28.25	47.20	158.05
UGF33	Porcelain Green	7.15	21.40	35.80	120.00
UGF34	Sea Green	8.05	24.20	40.45	135.50
UGF35	Cucumber Green	8.40	25.20	42.10	141.10
UGF36	Ceramic White	4.75	14.15	23.75	79.90
UGF37	Pastel Pink	8.85	26.50	44.25	148.22
UGF38	Tourmaline Pink	10.30	30.90	51.60	172.70
UGF39	China Rose	10.50	31.50	52.65	176.20
UGF40	Deep Ruby	12.85	38.50	64.20	214.85
UGF41	Peacock Green	12.85	38.50	64.20	214.85
UGF42	Aquamarine	9.10	27.35	45.65	152.95
UGF43	Misty Blue	8.75	26.25	43.85	146.85
UGF44	Horizon Blue	7.60	22.75	38.00	127.35
UGF45	Sky Gray	7.55	22.60	37.75	126.60
UGF46	Orchid Pink	10.95	32.80	54.80	183.35
UGF47	Old Rose	10.20	30.55	51.00	170.80
UGF48	Plum Purple	11.60	34.85	58.15	194.60
UGF49	Hunter Green	9.05	27.20	45.45	137.35
UGF50	Jade Blue	8.15	24.50	40.90	152.25
UGF51	Turquoise Blue	8.85	26.50	44.30	148.40
UGF52	Brittany Blue	8.35	25.05	41.80	140.10
UGF53	China Blue	8.95	26.90	44.95	150.65
UGF54	French Lilac	13.20	39.65	66.20	221.45
UGF55	Roman Violet	14.60	43.80	73.10	244.40
UGF56	Canyon Gray	10.00	30.05	50.15	167.95
UGF57	Teal Blue	8.90	26.95	44.55	149.35
UGF58	Majolica Blue	9.20	27.65	46.20	154.75
UGF59	Vivid Blue	9.75	29.30	48.95	163.95
UGF60	Napoleon Blue	11.95	35.80	59.80	200.00
UGF61	Marine Blue	14.75	44.20	73.75	246.60
UGF62	Navy Purple	14.95	44.85	74.85	250.25
UGF63	Bishop Purple	15.00	45.00	75.10	251.15
UGF64A	Baltic Black A	11.00	33.00	55.10	185.95
UGF64B	Baltic Black B	10.00	29.95	50.00	167.45
UGF65	Dawn Gray	7.65	22.95	38.35	128.55
UGF66	Super Red	11.50	34.55	57.65	193.00

UNDERGLAZES

AMACO UNDERGLAZES

ITEM #	DESCRIPTION	PT
LUG01	Black	27.65
LUG10	White	27.65
LUG15	Warm Gray	27.65
LUG20	Light Blue	27.65
LUG21	Medium Blue	27.65
LUG22	Dark Blue	27.65
LUG25	Turquoise	27.65
LUG26	Aqua	27.65
LUG30	Light Brown	27.65
LUG31	Mahogany Brown	27.65
LUG40	Chartreuse	27.65
LUG41	Warm Green	27.65
LUG42	Blue Green	27.65
LUG43	Dark Green	27.65
LUG50	Pink	27.65
LUG51	Rose	27.65
LUG52	Peach	27.65
LUG53	Suntan	27.65
LUG54	Lilac	27.65
LUG55	Purple	27.65
LUG56	Maroon	27.65
LUG58	Dark Red	27.65
LUG60	Light Yellow	27.65
LUG61	Bright Yellow	27.65
LUG65	Orange	27.65

SETS OF SEMI-MOIST UNDERGLAZE

UGP108 Contains 8 pans: maroon, light yellow, dark blue, blue-green, dark green, black, light brown, white.

\$38.00

UGP109 Contains 8 pans: turquoise, lilac, medium blue, pink, warm grey, mahogany brown, bright yellow, and warm green.

\$38.00

UGP110 Contains 8 pans: purple, light blue, aqua, rose, orange, peach, chartreuse, sun tan.

\$38.00

UGP111 Contains 8 pans: electric blue, amethyst, violet, red, light red, salmon, real orange, hunter green.

\$38.00



AMACO SEMI-MOIST UNDERGLAZES

Individual pans of underglaze, much like watercolors. A brush dipped in water lifts the color for decorating. Further thinning of the color creates a watercolor effect.

ITEM#	DESCRIPTION	PAN
UGP01	Refill Maroon	4.50
UGP02	Refill Light Yellow	4.50
UGP03	Refill Blue-Green	4.50
UGP04	Refill Dark-Green	4.50
UGP05	Refill Light Brown	4.50
UGP06	Refill White	4.50
UGP07	Refill Turquoise	4.50
UGP08	Refill Lilac	4.50
UGP09	Refill Pink	4.50
UGP10	Refill Warm Grey	4.50
UGP11	Refill Mahogany Brown	4.50
UGP12	Refill Bright Yellow	4.50
UGP13	Refill Warm Green	4.50
UGP14	Refill Purple	4.50
UGP15	Refill Light Blue	4.50
UGP16	Refill Aqua	4.50
UGP17	Refill Rose	4.50
UGP18	Refill Orange	4.50
UGP19	Refill Peach	4.50
UGP20	Refill Chartreuse	4.50
UGP21	Refill Suntan	4.50
UGP22	Refill Medium Blue	4.50
UGP23	Refill Black	4.50
UGP24	Refill Dark Blue	4.50
UGP25	Refill Electric Blue	4.50
UGP26	Refill Amethyst	4.50
UGP27	Refill Hunter Green	4.50
UGP28	Refill Light Red	4.50
UGP29	Refill Real Orange	4.50
UGP30	Refill Red	4.50
UGP31	Refill Salmon	4.50
UGP32	Refill Violet	4.50



UNDERGLAZES

AMACO UNDERGLAZE DECORATING CHALKS

Ceramic decoration with a variety of textures is created with underglaze decorating crayons. The 2 3/4"X7/16" chalk crayons are made in sixteen colors ranging from intense hues to pastel tones. On bisque pottery they are used as a pastel.

ITEM#	DESCRIPTION	STICK
UGC01	Turquoise	\$4.95
UGC02	Black	\$4.95
UGC03	Lilac	\$4.95
UGC04	Grey	\$4.95
UGC05	Dark Blue	\$4.95
UGC06	Yellow	\$4.95
UGC07	Dark Green	\$4.95
UGC08	White	\$4.95
UGC09	Medium Green	\$4.95
UGC10	Blue-Green	\$4.95
UGC11	Medium Blue	\$4.95
UGC12	Rose	\$4.95
UGC14	Yellow-Green	\$4.95
UGC15	Light-Brown	\$4.95
UGC16	Dark Brown	\$4.95
UGC17	Brown	\$4.95



Amaco Chalk Sets

UGC208 Set of 8 chalks: Turquoise, Yellow, Rose, Dark Blue, Brown, Dark Green, Black, and White \$39.60

UGC209 Set of 8 chalks: Yellow-Green, Grey, Medium Green, Light Brown, Blue Green, Dark Brown, Medium Blue \$39.60

UNDERGLAZE PENCILS

Underglaze decorating pencils are ideal for shading, fine line drawing, or identification. Apply the underglaze pencil to the bisque-ware to create a variety of unique decorative designs. After decorating, dust lightly with a brush to remove excess particles. Care must be taken if brushing on the glaze, don't go over the same area repeatedly, the pencil will smear. Do not use a pencil sharpener; it's best to use a knife or blade to sharpen.



ITEM#	DESCRIPTION	PENCIL
UGP40	Black	\$15.00
UGP41	Green	\$15.00
UGP42	Brown	\$15.00
UGP43	Rose	\$15.00
UGP44	Blue	\$15.00
UGP45	Yellow	\$15.00
UGP46	Pencil Set	\$90.00

NOTE The maximum firing temperature is cone 10 for Blue, Black, and Green, cone 5 for Brown and Yellow, and cone 05 for Rose.



Terri Kerns

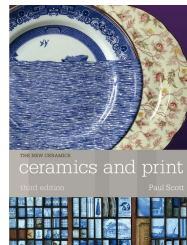
UNDERGLAZES

AMACO VELVET UNDERGLAZES

Amaco Velvets have the distinction of being very versatile semi-translucent underglazes which offer two finish possibilities. When left unglazed they have the appearance of velour or velvet. When covered with a clear glaze the colors will intensify.

ITEM #	DESCRIPTION	2OZ	PINT
UGV301	Ivory Beige	5.75	22.00
UGV302	Beige	5.75	
UGV303	Terracotta	5.75	22.00
UGV304	Straw	5.75	22.00
UGV308	Yellow	5.75	22.00
UGV309	Deep Yellow	5.75	22.00
UGV310	Tan	5.75	
UGV313	Red Brown	5.75	22.00
UGV314	Chocolate Brown	5.75	22.00
UGV315	Peach	5.75	22.00
UGV316	Light Pink	5.75	22.00
UGV317	Coral	5.75	22.00
UGV318	Rose	5.75	22.00
UGV320	Lavender	7.20	31.75
UGV321	Lilac	5.75	22.00
UGV322	Purple	5.75	22.00
UGV323	Salmon	5.75	22.00
UGV324	Blush	5.75	22.00
UGV325	Baby Blue	5.75	22.00
UGV326	Medium Blue	5.75	22.00
UGV327	Turquoise Blue	5.75	22.00
UGV328	Iceberg Blue	5.75	22.00
UGV332	Teal Blue	5.75	22.00
UGV333	Avocado	5.75	22.00
UGV334	Flaxen	5.75	
UGV336	Royal Blue	8.20	46.00
UGV341	Blue Green	5.75	22.00
UGV343	Chartreuse	5.75	22.00
UGV345	Light Green	5.75	22.00
UGV347	Pistachio	5.75	22.00
UGV349	Cactus	5.75	22.00
UGV350	Orange	5.75	22.00
UGV353	Dark Green	5.75	22.00
UGV354	Leaf Green	5.75	22.00
UGV355	Shadow Green	5.75	
UGV356	Pearl Grey	5.75	22.00
UGV357	Dark Grey	5.75	
UGV360	White	5.75	22.00
UGV361	Jet Black	5.75	22.00
UGV366	Teddy Bear Brown	5.75	22.00
UGV367	Mist Grey	5.75	
UGV368	Antique Ivory	5.75	
UGV369	Fawn	5.75	
UGV370	Velour Black	7.20	31.75
UGV371	Rosy Mauve	5.75	
UGV372	Mint Green	5.75	22.00
UGV373	Medium Brown	5.75	
UGV374	Royal Peach	5.75	
UGV375	Maroon	8.20	46.00
UGV376	Hunter Green	5.75	22.00
UGV380	Violet	8.20	46.00
UGV381	Amethyst	8.20	46.00
UGV382	Red	8.20	46.00
UGV383	Light Red	8.20	46.00

ITEM#	DESCRIPTION	2 OZ	PT
UGV384	Real Orange	8.20	46.00
UGV385	Cinnamon	5.75	22.00
UGV386	Electric Blue	5.75	22.00
UGV387	Bright Red	8.20	46.00
UGV388	Radiant Red	8.20	46.00
UGV389	Flame Orange	8.20	46.00
UGV390	Bright Orange	8.20	46.00
UGV391	Intense Yellow	8.20	46.00



BK10033 Ceramics and Print Screen printing, photographic processes, sponge printing, stamping, linocut, etching lithography, computer techniques. Paul Scott \$ 29.95

MASON STAINS

MASON STAINS

A color sample book is available for \$6.00 showing stains and percentages

ITEM #	DESCRIPTION	1 OZ	1/4	1/2#	1#	5#	COMPOSITION	REF.
PINK, CRIMSON, RED, AND ORANGE STAINS								
ST6000	Shell Pink	4.10	8.50	15.00	24.50	101.75	CR SN	4,5
ST6001	Alpine Rose	4.10	8.50	15.00	24.50	101.75	CR SN	4,5
ST6002	Rose Pink	4.35	9.05	15.90	26.00	108.40	CR SN	4,5
ST6003	Crimson	4.10	8.50	15.00	24.50	101.75	CR SN	4,5
ST6004	Crimson	4.35	9.05	15.90	26.00	108.40	CR SN	4,5
ST6005	Deep Crimson	4.35	9.05	15.90	26.00	108.40	CR SN	4,5
ST6006	Deep Crimson	4.10	8.50	15.00	24.50	101.75	CR SN	4,5
ST6007	Peach	4.70	9.70	17.05	27.90	116.25	CR SN V	4,5
ST6008	Peach	4.75	9.45	16.60	27.20	113.25	CR SN V	4,5
ST6009	Coral	4.20	8.70	15.35	25.10	104.65	CR SN V	4,5
ST6020	Manganese Aluminum Pink	2.40	4.95	8.70	14.50	60.00	MN AL	1,3
ST6021	Dark Red	6.90	14.25	25.00	40.95	170.75		
ST6022	Shrimp Pink	4.65	9.50	16.75	27.50	114.25		
ST6023	Clover Pink	4.05	8.40	14.75	24.25	100.50	ZR V CR SN	3,5
ST6024	Orange	5.25	9.60	16.90	27.65	115.18		
ST6025	Coral Red	4.95	10.30	18.10	29.65	123.50		
ST6026	Lobster	4.70	9.75	17.15	28.00	116.75		
ST6027	Tangerine	4.95	9.60	16.90	27.65	115.15		
ST6028	Orange	5.75	12.00	21.00	34.50	143.00		
ST6029	Persimmon	2.45	5.45	9.60	15.65	65.25	CR AL FE ZN	3,8
ST6030	Mango	6.00	12.40	21.75	35.55	148.25		
ST6031	Deep Salmon	3.95	8.20	14.40	23.50	97.90	CR SN FE	3,5
ST6032	Zirconium Iron Coral	3.00	6.00	10.75	17.75	73.25	FE ZR	3
ST6033	Sunset	4.75	9.80	17.25	28.25	117.40		
ST6052	Doll Flesh	2.55	5.60	9.80	16.00	66.75	MN AL CE FE ZN AL	1,3,6
ST6065	Chrome Aluminium Pink	2.30	5.00	9.00	14.75	60.75	CR AL	1,3,6
ST6067	Pink Extender	3.95	8.00	14.00	23.00	96.00	SN CA SI	3,5
ST6069	Dark Coral	2.75	5.50	9.75	15.75	65.25	FE SN ZR	
ST6088	Dark Red	6.70	13.80	24.30	39.75	165.60		
ST6090	Coral	4.75	9.75	17.10	28.00	116.65	CR SN ZR	3,5,9
ST6097	Red	6.70	13.80	24.30	39.75	165.60		
ST6098	Flesh	3.85	7.90	13.90	22.70	94.50	AL SN V ZR	3,5,9
BROWN STAINS								
ST6100	Woodland Brown	2.60	5.50	9.50	15.50	64.50	AL CR FE SI ZN	3,6,7
ST6101	Chestnut Brown	2.60	5.50	9.75	15.75	65.25	CR FE MN ZN	3,6,7
ST6103	Golden Brown	2.55	5.50	9.50	15.25	63.50	AL CR FE ZN	3,6,7
ST6104	Fawn Brown	4.25	8.80	15.50	25.30	105.50	CR SN V ZR	3,6,7
ST6107	Dark Golden	2.55	5.50	9.50	15.50	63.75	AL CR FE ZN	3,6,7
ST6108	Walnut	2.65	5.75	9.75	16.00	66.50	CR FE MN ZN	3,6,7
ST6109	Deep Brown	2.75	5.75	10.25	16.75	69.00	AL CR FE ZN	3,6,7
ST6110	Violet Of Iron	2.45	5.00	9.00	14.75	60.75	AL FE SI	
ST6111	Spice Brown	3.55	7.50	13.00	21.25	88.50	FE SN ZN	3,6,7
ST6113	Claret	2.00	3.90	6.90	11.25	46.90	CR FE ZN	3,6,7
ST6119	Russet	2.60	5.30	9.30	15.25	63.40	CA CR FE ZN ZR	3,6,7
ST6121	Saturn Orange	2.50	5.25	9.25	15.25	63.00	AL CR FE ZN	3,6,7
ST6122	Cedar	2.75	5.75	9.75	16.00	66.75	AL CR FE ZN	3,6,7
ST6123	Saddle	2.65	5.50	9.75	15.75	65.75	AL CR FE ZN	3,6,7
ST6124	Chocolate	2.95	6.10	10.75	17.55	73.15	AL CR FE MN ZN	3,6,7
ST6125	Leather	2.65	5.50	9.75	16.00	66.00	AL CR FE ZN	3,6,7
ST6126	Hazelnut	2.70	5.60	10.00	16.25	67.50	AL CR FE ZN	3,7

MASON STAINS

MASON STAINS

ITEM #	DESCRIPTION	1 OZ	1/4	1/2#	1#	5#	COMPOSITION	REF.
ST6129	Golden Ambrosia	2.50	5.25	9.25	15.00	62.75	AL CR FE ZN	3,6,7
ST6131	Titanium Iron Brown	2.50	5.25	9.25	15.00	62.00	FE TI	1,3,6
ST6132	Red Brown	2.65	5.50	9.75	16.00	66.00		
ST6133	Sorrel	2.70	5.75	9.75	16.00	66.75		
ST6134	Red Brown	2.75	5.75	10.00	16.25	67.50	CR FE ZN	3,6,7
ST6149	Iron Silicate	2.25	4.75	8.50	13.75	56.75	FE SI	3,6,7
ST6153	Seal Brown	2.25	4.50	7.75	12.75	52.50	CR FE MN ZN	3,6,7
ST6155	Black Brown	3.00	6.25	10.95	17.95	74.70		
ST6160	Dark Chocolate	2.20	4.75	8.25	13.25	55.25	AL CR FE MN ZN	3,6,7
ST6163	Terracotta	2.85	5.85	10.30	16.85	70.15	AL CR FE ZN	3,6,7
ST6166	Camel Beige	2.60	5.50	9.50	15.50	64.25		
ST6190	Deep Brown	2.25	4.50	7.75	12.50	51.75	CR FE MN	3,6,7
ST6194	Manganese Silicate	2.00	4.25	7.50	12.00	50.25	MN SI	3,6,7

GREEN STAINS

ST6200	Evergreen	2.60	5.50	9.50	15.50	64.50	CO CR SI	3,5
ST6201	Celadon	2.60	5.30	9.30	15.25	63.40	AL CO CR SI ZN	1,3,6,8
ST6202	Florentine	3.40	7.00	12.35	20.20	84.00	CO CR SI	1,3,6,8
ST6204	Victoria Green	2.55	5.50	9.50	15.50	63.75	CA CR SI ZR	3,5,9
ST6206	Grass Green	2.75	5.50	9.75	15.75	65.25	CA CR SI ZR	3,5,9
ST6207	Celeste	2.65	5.45	9.60	15.70	65.25	CO CR SI ZN	1,3,6
ST6209	Chrome Green	3.75	7.70	13.55	22.15	92.25	CR SI	3,5
ST6211	Pea Green	3.85	7.90	13.90	22.70	94.50	SN V ZR	1,3,6,8
ST6213	Hemlock	3.50	7.25	12.50	20.50	85.25		
ST6219	French Green	2.75	5.60	9.85	16.15	67.15	CA CO CR SI ZN	1,3,5,8
ST6221	Turquoise	2.85	5.85	10.25	16.75	69.75	CA CO CR SI ZN ZR	3,5
ST6223	Ivy	2.90	6.00	10.50	17.25	71.75	AL CR SI	3,5
ST6224	Dark Green	2.85	5.90	10.35	16.95	70.50	CO CR FE SI ZN	3,5
ST6226	Dark Leaf	2.65	5.50	9.65	15.75	65.65	CO CR FE SI ZN	1,3,6,8
ST6236	Chartreuse	4.50	9.25	16.50	26.75	111.50	SN V ZR	1,3,6
ST6242	Bermuda	3.50	7.25	12.75	20.75	86.25	PR SI V ZR	3,5
ST6244	Deep Sea	4.00	8.50	14.75	24.00	99.75	AL CO CR SI ZN	1,3,6,8
ST6246	Blue Green	3.70	8.00	14.00	22.95	95.65	CO CR SI SN ZN	3,6,8
ST6254	Dark Teal Green	4.45	9.15	16.10	26.30	109.50	AL CO CR SI ZN	1,3,6,8
ST6255	Jade Green	4.10	8.50	14.95	24.40	101.65	AL CO CR SI ZN	1,3,6,8
ST6263	Victoria	2.50	5.25	9.25	15.00	62.75	CA CR SI ZR	3,5,9
ST6264	Victoria	2.50	5.25	9.25	15.00	62.75		
ST6265	Leaf Green	2.90	6.00	10.60	17.30	72.00	CO CR	1,3,6,8
ST6266	Peacock Green	5.65	11.60	20.45	33.40	139.15	CO CR	1,3,6,8
ST6267	Emerald	3.05	6.35	11.15	18.20	75.75	CA CO CR SI ZR	3,5,9
ST6268	Sea Green	3.35	6.85	12.05	19.75	82.15	CO CR SI ZN	1,3,6,8
ST6271	Mint	2.90	5.95	10.40	17.00	70.90	CA CO CR SI ZN ZR	3,5,9
ST6274	Nickel Silicate	3.55	7.35	12.95	21.15	88.15	NL SL	1,3
ST6280	Avocado	3.90	8.10	14.20	23.25	96.75	AL CO CR FE V	
ST6288	Turquoise	3.30	6.75	11.90	19.45	81.00	CA CR SI V ZR	3,5,9
ST6296	Dark Spruce Green	3.85	7.95	13.95	22.80	94.90	CA CO CR SI	1,3,6,8

BLUE AND PURPLE STAINS

ST6300	Mazerine	5.80	12.00	21.10	34.50	143.65	CO SI ZN	1,3,6
ST6302	Cadet	4.70	9.65	16.95	27.75	115.50	AL CO CR SI SN ZN	1,3,6
ST6303	Deep Orchid	4.20	8.70	15.30	25.00	104.25	AL CO CR SN	3,5,9

MASON STAINS

MASON STAINS

ITEM #	DESCRIPTION	1 OZ	1/4	1/2#	1#	5#	COMPOSITION	REF.
ST6304	Cr Tin Violet	7.75	16.25	28.25	46.25	192.75		
ST6305	Teal	3.55	7.25	12.75	20.90	87.00	AL CO CR SI ZN	1,3,6
ST6306	Vivid Blue	3.40	7.00	12.35	20.20	84.00	AL CO SI ZN	1,3,6
ST6307	Pastel	2.75	5.60	9.85	16.15	67.15	AL CO SN ZR	1,3,6
ST6308	Delphinium	3.70	7.70	13.50	22.05	91.90	AL CO SN	1,3,6
ST6310	Wedgewood	4.90	10.10	17.75	29.00	120.75	AL CO SI	1,3,6
ST6313	Medium Blue	4.55	9.35	16.45	26.95	112.15	CO SI ZN	1,3,6
ST6315	Zirconium Vanadium	3.25	6.75	11.75	19.25	80.00	SI V ZR	
ST6317	Lavender	4.15	8.50	15.00	24.50	102.00	AL CA CO CR SI SN ZN	
ST6318	Amethyst	4.15	8.55	15.00	24.60	102.40		
ST6319	Lavender	2.55	5.25	9.25	15.15	63.00	AL CO MN SI ZN	1,3
ST6320	Delft	6.00	12.50	22.00	36.00	150.50	AL CO SI SN ZN	1,3,6
ST6324	Violet	3.90	8.05	14.15	23.15	96.40	AL CA CO SI SN ZN ZR CR	
ST6330	Cobalt Aluminate	6.75	14.00	24.75	40.25	167.75	AL CO	1,3,6
ST6331	Orchid	4.20	8.65	15.20	24.90	103.60	AL CO CR SI SN	3,5,9
ST6332	Orchid	4.15	8.60	15.10	24.70	102.75	AL CO CR SI SN	3,5,9
ST6333	Lavender	4.10	8.45	14.80	24.25	100.90	AL CO CR SI SN	3,5,9
ST6336	Peacock	5.25	10.80	19.00	31.05	129.40	AL CO CR SI SN ZN	3,6
ST6338	Cobalt Metasilicate	8.20	17.00	30.00	48.75	203.25	CO SI	1,3,6
ST6339	Royal	4.00	8.35	14.65	23.95	99.75	AL CO ZN	1,3,6
ST6343	Mediterranean	4.10	8.45	14.80	24.25	100.90	AL CO CR SI ZN	1,3,6
ST6350	Bright Blue	3.90	8.00	14.10	23.05	96.00		
ST6360	Blue Willow	5.00	10.25	18.00	29.25	122.00	AL CO CR SI SN	3,5
ST6363	Sky Blue	2.45	5.00	9.00	14.75	60.75	AL CO SI	1,3,6
ST6364	Turquoise	3.50	7.25	12.75	21.00	86.75	V ZR	1,3,6
ST6368	Copen Blue	2.60	5.35	9.35	15.30	63.75	AL CO SI ZN	1,3,6
ST6371	Dark Teal	5.00	10.40	18.30	29.90	124.50	AL CO CR	1,3,6
ST6373	Turquoise	3.90	8.00	14.15	23.15	96.40	CO CR SN V ZR	1,3,6
ST6374	Dark Turquoise	3.50	7.50	13.00	21.00	87.50	SI V ZR	1,3,6
ST6376	Robin's Egg	3.20	6.75	11.75	19.00	79.25	V ZR	1,3,6
ST6378	Zr V Blue	3.65	7.55	13.30	21.70	90.40		
ST6381	Blackberry Wine	4.15	8.50	15.00	24.50	102.00	CO CR FE NI SI SN	3,5,9
ST6383	Cobalt Aluminate	5.80	12.00	21.10	34.50	143.65	AL CO	1,3,6
ST6385	Pansy Purple	4.30	8.85	15.55	25.40	105.75	CA CO CR SI SN	3,5,9
ST6386	Navy Blue	5.95	12.25	21.60	35.30	147.00	CA CO CR SI SN	3,5,9
ST6387	Mulberry	4.60	9.50	16.70	27.30	113.65		
ST6388	Mazerine	6.40	13.25	23.30	38.10	158.65	CO SI	1,3,6
ST6389	Sapphire	6.15	12.65	22.25	36.40	151.50		
ST6391	Zirconium Vanadium	3.55	7.30	12.85	21.00	87.40	V ZR	3,5,9
ST6392	Dusty Lavender	3.90	8.00	14.00	22.95	95.65	CR SN V ZR	3,5,9
ST6393	Turquoise	3.90	8.10	14.20	23.25	96.75	AL CO SN V ZR	3,6
ST6396	Peacock	3.85	7.95	13.95	22.80	94.90	AL CO CR SN ZR	1,3,6
ST6398	Deep Peacock	5.75	11.85	20.80	34.00	141.75	ZR V CO SN AL	1,3,6
YELLOW STAINS								
ST6404	Vanadium	5.50	11.00	19.25	31.50	131.00	SN V	1,3,6
ST6405	Naples	2.75	5.70	10.00	16.40	68.25	FE PR SI ZR	3,6
ST6406	Buttercup	3.85	7.95	13.95	22.75	94.90	FE PR SI ZR	3,6
ST6407	Marigold	3.30	6.80	11.95	19.55	81.40	FE PR SI ZR	3,6
ST6410	Canary Yellow	4.00	8.25	14.50	23.75	98.25		

MASON STAINS

MASON STAINS

ITEM #	DESCRIPTION	1 OZ	1/4#	1/2#	1#	5#	COMPOSITION	REF.	
ST6421	Bright Yellow	Discontinued substitute 1/2 the amount of 6479							
ST6433	Praseodymium	Discontinued substitute 6450						FE SI ZR	3,6
ST6434	Yellow Oxide	2.50	5.00	9.00	14.75	60.75			
ST6440	Vanadium	5.55	11.00	19.50	32.00	132.75	SN V	1,3,6	
ST6450	Praseodymium	3.50	7.00	12.25	20.00	83.00	FE SI ZR	3,6	
ST6464	Zirconium	4.00	8.50	14.75	24.25	100.50	V ZR	1,3,6	
ST6471	Old Gold	4.25	8.75	15.50	25.00	104.25	AL CR FE SN V ZN	1,3,6	
ST6479	Sunshine	5.85	12.10	21.25	34.75	144.75			
ST6485	Titanium	2.95	5.50	9.50	15.50	64.50	CR SB SN	1A,3	

GRAY STAINS

ST6500	Sage Grey	3.10	6.35	11.20	18.30	76.15	CO CR NI SI	1,3,6
ST6503	Taupe	2.25	4.50	8.00	13.00	54.50	AL CR FE SI ZR	3,5
ST6506	Pearl	4.50	9.30	16.35	26.75	111.40	CO CR FE NI SN	3,6
ST6515	Soft Medium Grey	2.50	5.15	9.00	14.80	61.50	AL CR FE MN NI ZR	3,5
ST6523	Soft Green Grey	2.55	5.25	9.25	15.15	63.00	AL CO CR FE MN NI SI SN ZR	3,5
ST6527	Shadow	2.60	5.35	9.45	15.40	64.15		
ST6528	Charcoal	5.35	11.10	19.50	31.90	132.75		
ST6530	Silver	5.65	11.70	20.60	33.70	140.25		
ST6531	Slate	4.20	8.60	15.15	24.75	103.15		
ST6537	Mouse	2.70	5.60	9.80	16.00	66.75		
ST6540	Blue Grey	5.00	10.35	18.15	29.70	123.75	CO CR FE NI SN	3,6
ST6572	Neutral	2.55	5.25	9.20	15.00	62.65	CR FE ZR	3,5
ST6573	Rose Taupe	3.25	6.75	11.85	19.35	80.65	CR FE SN V ZR	3,5
ST6591	Gun Metal	3.30	6.75	11.90	19.45	81.00	CO NI ZR	3,6

BLACK STAINS

ST6600	Black	3.90	8.00	14.00	22.95	95.65	CO CR FE NI	1,3,6
ST6601	Velvet Black	4.65	9.60	16.90	27.65	115.15	CO CR FE NI ZR	1,3,6
ST6609	Black	4.00	8.25	14.55	23.80	99.00	CO CR FE MN NI SN	1,3,6
ST6612	Onyx Black	5.70	11.75	20.70	33.85	141.00		
ST6650	Cobalt Free	2.90	6.00	10.50	17.25	72.00	CR FE	3,5
ST6657	Black	2.95	6.10	10.75	17.55	73.15	CO CR FE	3,5
ST6666	Cobalt Free	3.00	6.25	11.00	18.00	75.00	CR FE MN	3,5

WHITE STAINS

ST6700	White	2.25	4.50	8.00	13.00	53.25	AL SI ZR	3,6
ST6768	Tin White	5.75	11.25	19.75	32.25	134.25	AL SI SN	3,6
ST6790	White	2.25	4.75	8.25	13.25	55.25		

MISCELLANEOUS STAINS

STD245	Grey	3.80	8.05	14.15	23.15	96.55	ZR NI SI CO	1,3,6
STD250	Yellow	2.00	4.65	8.30	13.85	62.25	ZR PR	3,6
STF3794	Black	6.65	13.95	24.50	40.10	167.20	CO FE MN CR	1,3,5
ST239616	Orange (Degussa)	7.35	14.75	25.90	42.35	176.55		
ST279497	Bordeaux Red (Degussa)	7.05	14.75	25.90	42.35	176.55		
ST239416	Yellow (Degussa)	7.05	14.75	25.90	42.35	176.55		
ST279496	Degussa Red	7.05	14.75	25.90	42.35	176.55		
ST41545A	Drakenfeild Yellow	2.00	3.95	7.18	11.97	54.40		
STF1942	Yellow	2.00	3.05	5.54	9.24	42.00		

RAW MATERIALS

DRY RAW MATERIALS

ITEM #	DESCRIPTION	1/4 #	1/2 #	1#	5#	10#	25#	50#	100#	500#	1000#	2000#
RM457	Acti-Gel	---	---	11.25	50.75	90.80	213.50	400.00	---	---	---	---
RM332	Agent A Preservative	8.00	14.50	26.00	121.00	227.00	---	---	---	---	---	---
RM101	Alberta Slip , 44# bag	---	---	4.00	14.50	18.20	41.25	64.75	---	---	---	---
RM102	Alumina Hydrate	---	---	5.50	21.85	34.90	70.25	88.00	160.00	---	---	---
RM103	Alumina Oxide 55# bag	---	---	10.50	41.55	52.00	117.75	231.55	436.70	---	---	---
RM104	Antimony Oxide	7.00	12.50	22.75	106.70	200.00	---	---	---	---	---	---
RM423	Ball Clay C&C	---	---	3.00	6.85	10.90	22.00	27.60	50.00	223.50	421.00	790.00
RM367	Ball Clay Kentucky Stone	---	---	---	---	---	---	27.85	50.50	225.50	424.00	796.00
RM105	Ball Clay OM4	---	---	3.00	5.00	7.50	15.25	19.00	34.20	153.00	288.00	540.00
RM368	Ball Clay Old Hickory #5	---	---	3.00	4.00	6.20	12.25	15.35	27.70	124.00	234.00	438.00
RM225	Ball Clay, SGP	---	---	3.00	5.00	7.50	15.25	19.00	34.40	154.00	290.00	544.00
RM363	Ball Clay Taylor	---	---	3.00	4.00	5.50	11.00	13.75	24.90	111.50	210.00	394.00
RM227	Ball Clay XX Saggar	---	---	3.00	6.70	10.65	21.45	26.90	48.60	217.50	410.00	768.00
RM312	Barium Carbonate, German, 55#	---	---	3.00	10.35	18.50	43.50	89.65	---	---	---	---
RM107	Barium Sulfate	---	---	3.00	10.50	19.00	42.50	80.00	---	---	---	---
RM108	Barnard Clay (substitute)	---	---	3.00	10.85	19.40	45.75	85.50	---	---	---	---
RM333	Bentonite 325 Mesh	---	---	3.00	9.85	15.70	31.65	39.70	71.80	321.50	605.00	1134.00
RM329	Bentonite, HPM-20	---	---	4.00	15.95	20.40	45.75	86.00	161.00	---	---	---
RM442	Bentonite L10	---	---	3.00	10.30	13.00	29.25	54.50	---	---	---	---
RM109	Bentonite, Western	---	---	3.00	5.50	8.75	17.60	22.00	40.00	178.50	336.00	630.00
RM700	Bismuth Sub Nitrate	20.00	37.50	70.50	---	---	---	---	---	---	---	---
RM111	Bone Ash	---	---	3.00	8.85	15.80	37.25	70.00	---	---	---	---
RM112	Borax 10 Mol	---	---	3.00	11.40	18.50	29.00	52.50	94.00	---	---	---
RM113	Boric Acid	---	---	4.00	13.45	24.30	54.50	102.50	192.00	---	---	---
RM319	Burgundy	---	---	3.00	4.00	5.50	10.25	12.70	23.00	103.00	194.00	364.00
RM114	Burnt Umber	---	---	4.00	18.50	32.80	77.50	145.00	---	---	---	---
RM233	C1 Clay (Substitute)	---	---	3.00	7.25	11.50	23.25	29.00	52.40	234.50	442.00	828.00
RM230	Cedar Heights Gold Art	---	---	3.00	6.50	9.80	20.00	25.00	45.00	200.50	378.00	708.00
RM232	Cedar Heights Red Art	---	---	3.00	6.75	10.50	21.25	26.50	48.00	214.00	403.00	756.00
RM116	Chrome Oxide	7.00	10.00	13.00	58.75	105.00	246.50	462.50	---	---	---	---
RM117	CMC Gum	9.50	15.00	19.40	87.70	156.90	369.25	692.50	---	---	---	---
RM118	Cobalt Carbonate	17.00	30.00	53.55	252.00	472.50	---	---	---	---	---	---
RM119	Cobalt Oxide	18.75	33.75	60.35	284.00	532.50	---	---	---	---	---	---
RM120	Cobalt Sulfate	8.75	16.50	29.40	138.20	259.10	---	---	---	---	---	---
RM121	Copper Carbonate	6.50	10.50	13.10	59.25	106.00	249.50	467.50	---	---	---	---
RM123	Copper Oxide Black	4.90	8.85	15.85	74.50	139.70	---	---	---	---	---	---
RM122	Copper Oxide Red	5.25	9.50	17.00	80.00	150.00	---	---	---	---	---	---
RM277	Copper Sulfate	---	---	4.00	16.90	31.80	74.75	---	---	---	---	---
RM124	Cornwall Stone (real thing!)	---	---	7.00	28.50	45.50	91.75	115.00	208.00	---	---	---
RM440	Crocus Martis (Natural Iron)	---	---	8.50	38.50	61.00	123.25	155.00	---	---	---	---
RM125	Cryolite	---	---	5.85	18.35	33.20	74.25	140.00	262.00	---	---	---
RM126	Dolomite	---	---	3.00	8.00	12.50	25.00	32.00	57.00	---	---	---
RM127	Feldspar Custer	---	---	3.00	6.50	10.50	20.60	25.85	46.70	209.00	394.00	738.00
RM441	Feldspar Chunks	---	---	5.75	10.50	19.00	44.00	82.50	---	---	---	---
RM128	Feldspar, G200 HP (discontinued)	---	---	---	---	---	---	---	---	---	---	---
RM389	Feldspar Mahavir 55#	---	---	4.00	13.60	21.70	43.75	60.50	108.90	489.50	924.00	1738.00
RM129	Feldspar Kona F4 Minspar 200	---	---	3.00	8.60	13.60	27.50	34.45	62.30	279.00	525.00	984.00
RM372	Fiberglass Strands 1/4"	---	---	4.00	11.20	23.80	52.50	---	---	---	---	---
RM452	Fiberglass Strands 1/2"	---	---	4.00	12.75	24.00	56.25	---	---	---	---	---

RM236	Fire Clay, GreenStripe	---	---	3.00	4.00	5.00	8.65	10.80	19.60	87.50	165.00	310.00
RM237	Fire Clay, Hawthorne 40 Mesh	---	---	3.00	5.00	8.00	16.00	20.00	36.50	162.50	306.00	574.00
RM428	Fire Clay, Hawthorne 50 Mesh	---	---	3.00	5.50	8.50	16.75	21.00	38.00	170.00	320.00	600.00
RM238	Fire Clay, IMCO 400	---	---	3.00	4.00	5.50	10.75	13.45	24.30	109.00	205.00	384.00
RM318	Fire Clay, IMCO 800	---	---	3.00	4.00	5.50	11.00	13.85	25.10	112.00	211.00	396.00

RAW MATERIALS

DRY RAW MATERIALS

ITEM #	DESCRIPTION	1/4 #	1/2 #	1#	5#	10#	25#	50#	100#	500#	1000#	2000#
RM240	Fire Clay, Lincoln 60	---	---	---	---	---	---	10.20	18.50	82.50	155.00	292.00
RM130	Flourspar	---	---	4.00	15.45	19.40	43.75	78.50	148.00	---	---	---
RM345	Foundry Hill Creme	---	---	3.00	6.55	10.50	21.10	26.45	47.90	214.00	403.00	756.00
RM131	Frit 3110	---	---	4.00	13.20	23.60	55.50	104.00	---	---	---	---
RM132	Frit 3124	---	---	3.00	11.55	20.70	48.75	91.00	---	---	---	---
RM133	Frit 3134	---	---	4.00	13.00	23.20	54.75	102.50	---	---	---	---
RM323	Frit 3195	---	---	4.00	14.40	25.80	60.75	113.50	---	---	---	---
RM379	Frit 3225.....N/A	---	---	---	---	---	---	---	---	---	---	---
RM304	Frit 3249	---	---	7.50	34.95	62.60	147.25	276.00	---	---	---	---
RM305	Frit 3269	---	---	4.00	15.80	28.30	66.50	125.00	---	---	---	---
RM310	Frit 3270	---	---	4.50	17.30	31.00	73.00	137.00	---	---	---	---
RM380	Frit 3278	---	---	4.00	13.20	23.60	55.50	104.00	---	---	---	---
RM311	Frit 3289 (FB-284-M)	---	---	4.00	15.00	26.70	63.25	118.50	---	---	---	---
RM134	Frit 3292	---	---	4.00	13.85	24.80	58.25	109.00	---	---	---	---
RM381	Frit 3336	---	---	4.00	15.00	26.95	63.50	119.00	---	---	---	---
RM384	Frit 3470 Pb	---	---	8.00	32.55	58.20	137.00	257.00	---	---	---	---
RM392	Frit 3482 PbN/A	---	---	---	---	---	---	---	---	---	---	---
RM385	Frit 3485 PbN/A	---	---	---	---	---	---	---	---	---	---	---
RM136	Frit 3565 PbN/A	---	---	---	---	---	---	---	---	---	---	---
RM382	Frit 3846N/A	---	---	---	---	---	---	---	---	---	---	---
RM139	Frit 5301	---	---	4.00	16.25	29.10	68.50	128.50	---	---	---	---
RM141	Frit CM 941 Pb ...N/A	---	---	---	---	---	---	---	---	---	---	---
RM138	Frit CC 250	---	---	4.00	12.60	22.50	53.00	99.50	---	---	---	---
RM358	Frit CC 257	---	---	4.00	14.40	25.80	60.75	113.50	---	---	---	---
RM326	Frit CC 274	---	---	4.00	13.90	24.90	58.50	110.00	---	---	---	---
RM376	Frit CC 279	---	---	5.00	18.90	33.80	79.50	149.50	---	---	---	---
RM306	Frit FA-233	---	---	5.00	18.05	32.30	76.00	142.50	---	---	---	---
RM378	Frit FB-268D	---	---	4.00	14.65	26.20	61.50	115.50	---	---	---	---
RM307	Frit FB 276P	---	---	5.00	18.25	32.60	76.75	144.00	---	---	---	---
RM448	Frit F413 Fusion	---	---	5.00	19.55	35.00	82.50	154.50	---	---	---	---
RM353	Frit F-085 Pb replaces 3403	---	---	8.00	35.50	63.60	149.50	280.50	---	---	---	---
RM453	RM27 Metal Frit Ground Coat	3.25	4.00	7.20	32.20	60.60	142.25	---	---	---	---	---
RM454	RM60-C Metal Frit Cover Coat	4.00	6.50	8.00	35.50	63.60	149.50	---	---	---	---	---
RM455	9630-D Metal Frit Clear Flux	10.20	12.80	23.10	103.35	194.60	456.00	---	---	---	---	---
RM142	Gerstley Borate	---	---	5.00	16.80	26.85	54.25	68.00	122.90	---	---	---
RM429	Grog CE47 14 Mesh	---	---	3.00	6.50	10.50	21.00	26.50	47.70	---	---	---
RM404	Grog CE47 20x50 Mesh	---	---	3.00	9.00	14.25	28.55	35.80	64.80	---	---	---
RM403	Grog CE47 35 Mesh	---	---	3.00	7.00	11.25	22.75	28.50	51.30	---	---	---
RM402	Grog CE47 48 Mesh	---	---	3.00	7.50	11.50	23.00	28.75	52.10	---	---	---
RM401	Grog CE47 100 Mesh	---	---	3.00	7.50	11.85	24.00	30.00	54.20	---	---	---
RM407	Grog CE70 35 Mesh	---	---	4.00	12.00	18.75	37.50	47.00	85.00	---	---	---
RM406	Grog CE70 48 Mesh	---	---	4.00	12.00	18.75	37.80	47.40	85.70	---	---	---
RM405	Grog CE70 100Mesh	---	---	4.00	12.50	19.50	39.10	49.00	88.70	---	---	---
RM246	Grog Kyanite 35M	---	---	4.00	12.00	19.10	38.50	48.50	87.60	---	---	---
RM327	Grog Kyanite 100 Mesh	---	---	4.00	12.60	20.10	40.75	51.00	92.20	---	---	---
RM444	Grog Molochite 30 Mesh 55#	---	---	5.50	20.60	33.20	52.00	103.95	185.90	---	---	---
RM146	Grog Molochite 50/80 Mesh 55#	---	---	5.50	21.95	35.40	55.50	110.55	198.00	---	---	---
RM300	Grog Molochite 120 Mesh 55#	---	---	5.50	21.05	34.00	53.25	106.15	190.30	---	---	---
RM438	Grog Molochite 200 Mesh 55#	---	---	5.50	21.70	35.00	55.00	109.45	195.80	---	---	---
RM439	Gum Arabic	3.65	6.50	12.25	57.50	---	---	---	---	---	---	---
RM148	Ilmenite [Granular]	---	---	3.00	9.95	17.80	42.00	---	---	---	---	---
RM150	Iron Chromite	---	---	3.50	13.25	24.00	53.50	---	---	---	---	---
RM151	Iron Oxide, Black, 98%	---	---	5.00	18.75	33.50	78.75	147.50	---	---	---	---
RM152	Iron Oxide, Red, 97%	---	---	5.00	19.30	34.50	81.25	152.50	---	---	---	---
RM154	Iron Oxide, Spanish	---	---	4.00	13.50	16.90	38.25	68.50	---	---	---	---
RM153	Iron Oxide, Yellow, 85%	---	---	4.00	14.50	26.00	61.25	114.00	---	---	---	---

RAW MATERIALS

DRY RAW MATERIALS

ITEM #	DESCRIPTION	1/4 #	1/2 #	1#	5#	10#	25#	50#	100#	500#	1000#	2000#
RM354	Iron Sulphate	---	---	3.00	10.70	13.40	30.50	54.50	---	---	---	---
RM160	Kaolin 6 Tile	---	---	3.00	7.00	10.60	21.35	27.00	49.00	217.00	408.00	766.00
RM156	Kaolin EPK	---	---	3.00	6.00	9.50	19.00	24.00	43.10	193.00	363.00	682.00
RM155	Kaolin Franklin (Replaces Ajax P)	---	---	3.00	7.25	11.60	23.50	29.50	53.00	235.00	450.00	840.00
RM426	Kaolin Glomax(calcined)	---	---	5.00	19.90	31.70	64.00	80.00	145.00	650.00	---	---
RM157	Kaolin Grolleg 55# bag	---	---	3.00	8.00	10.00	22.50	44.00	83.60	390.50	---	---
RM355	Kaolin Helmar	---	---	3.00	5.00	7.40	15.00	18.70	34.00	151.50	285.00	534.00
RM450	Kaolin Meta 40# bag	---	---	3.00	10.75	17.00	34.50	43.00	62.40	350.40	656.00	1230.00
RM334	Kaolin McNamee	---	---	3.00	4.00	6.50	13.00	16.30	29.50	132.00	248.00	466.00
RM447	Kaolin NZ 55# bag	---	---	5.00	16.55	26.40	53.25	73.70	133.10	621.50	---	---
RM449	Kaolin Opticast	---	---	---	---	---	---	27.85	50.40	225.50	424.00	796.00
RM275	Kaolin, Super Standard	---	---	3.00	13.90	17.40	39.50	78.10	---	---	---	---
RM161	Kiln Wash	---	---	4.00	16.75	27.20	46.25	74.00	---	---	---	---
RM370	Kiln Wash, Glass Shelf Primer	---	---	4.00	17.50	30.30	51.50	82.50	---	---	---	---
RM900	Kiln Wash, Z-Tech	---	---	5.00	21.50	34.50	68.95	86.50	---	---	---	---
RM456	Laterite	---	---	3.00	6.40	10.30	20.75	26.00	47.00	210.00	400.00	740.00
RM270	Lithosil	22.00	33.00	44.00	198.45	355.10	835.50	1566.50	---	---	---	---
RM162	Macoloid	---	6.25	11.30	52.30	98.10	---	---	---	---	---	---
RM163	Magnesium Carbonate 55#	---	---	6.00	27.45	49.10	115.50	238.15	---	---	---	---
RM164	Magnesium Sulfate	---	---	4.00	15.75	19.70	44.75	80.00	---	---	---	---
RM165	Magnetite	---	---	3.00	10.55	16.80	34.00	42.50	---	---	---	---
RM272	Manganese Carbonate 55#	4.25	6.80	8.50	38.40	68.80	161.75	333.85	---	---	---	---
RM167	Manganese Dioxide, 60-80	---	---	5.00	20.60	25.90	58.50	109.00	---	---	---	---
RM166	Manganese Dioxide, 325M	---	---	4.00	11.30	14.20	32.00	57.50	---	---	---	---
RM431	Mica	---	---	3.50	14.45	26.10	58.50	110.00	---	---	---	---
RM169	Nepheline Syenite	---	---	3.00	6.50	10.00	20.50	25.50	46.50	206.50	389.00	730.00
RM170	Nickel Carbonate	5.70	10.30	18.50	86.65	162.50	---	---	---	---	---	---
RM313	Nickel Oxide, Black	23.95	38.25	61.75	193.50	350.00	---	---	---	---	---	---
RM328	Nylon Fiber Chopped	---	6.00	10.15	---	---	---	---	---	---	---	---
RM172	Petalite	---	---	4.00	15.10	27.00	63.50	119.50	---	---	---	---
RM173	Plaster Casting	---	---	---	---	---	---	38.50	69.50	---	---	---
RM349	Plaster Ceramical 100# Bags	---	---	---	---	---	---	---	74.00	---	---	---
RM434	Plaster Duramold 100# Bags	---	---	---	---	---	---	---	50.00	---	---	---
RM175	Plaster Hydrocal 50# Bags	---	---	---	---	---	---	30.50	57.00	---	---	---
RM330	Plaster Hydrostone 50# Bags	---	---	---	---	---	---	38.00	71.00	---	---	---
RM174	Plaster Pottery#1 50# Bags	---	---	---	---	---	17.50	22.50	42.00	---	---	---
RM177	Potassium Carbonate	---	---	5.00	19.90	35.60	83.75	157.00	---	---	---	---
RM314	Potassium Dichromate	6.85	12.40	22.25	104.30	195.60	---	---	---	---	---	---
RM286	Potassium Nitrate	---	---	5.00	19.75	24.80	56.00	100.50	189.00	885.00	---	---
RM395	Pumice	---	---	3.00	11.25	17.90	36.25	45.50	---	---	---	---
RM179	Pyrophyllite	---	---	3.00	7.80	12.45	25.25	31.50	57.00	255.00	480.00	900.00
RM180	Rutile, Ceramic	---	7.00	8.90	40.25	72.00	169.50	317.50	---	---	---	---
RM182	Rutile, Milled	---	4.00	6.00	26.90	48.10	113.25	212.50	---	---	---	---
RM183	Sand, 30 Mesh	---	---	3.00	4.00	5.00	7.70	9.65	17.50	78.00	147.00	276.00
RM184	Sand, 70 Mesh	---	---	3.00	4.00	5.00	7.70	9.65	17.50	78.00	147.00	276.00
RM459	Sand 120 Mesh	---	---	3.00	4.00	5.00	7.70	9.65	17.50	78.00	147.00	276.00
RM185	Silica, 200 Mesh	---	---	3.00	5.00	8.00	15.75	19.75	36.00	160.00	301.00	564.00
RM187	Silica, 400 Mesh	---	---	3.00	7.25	11.50	23.00	28.75	52.00	232.00	437.00	820.00
RM331	Silica, A-25	---	---	3.00	8.25	13.20	24.75	33.30	60.10	268.00	504.00	942.00
RM188	Silicon Carbide 400	4.00	5.00	8.25	---	---	---	---	---	---	---	---
RM216	Silver Nitrate	43.50	Per Ounce	---	---	---	---	---	---	---	---	---

RAW MATERIALS

DRY RAW MATERIALS

ITEM #	DESCRIPTION	1/4 #	1/2 #	1#	5#	10#	25#	50#	100#	500#	1000#	2000#
RM271	Soda Ash Dense	---	---	3.00	8.30	13.30	26.80	33.60	60.80	272.00	512.00	960.00
RM445	Soda Ash Light	---	---	3.00	8.60	13.70	27.50	34.65	62.70	280.50	528.00	990.00
RM284	Sodium Bicarbonate	---	---	3.00	8.05	12.90	26.00	48.00	90.00	---	---	---
RM339	Sodium Nitrate	---	---	5.00	18.25	29.50	46.25	83.50	150.00	---	---	---
RM285	Sodium Sulfate	---	---	3.00	11.95	19.10	38.50	48.50	---	---	---	---
RM340	Spodosil	---	---	6.00	20.50	28.80	64.50	121.50	227.00	---	---	---
RM433	Stannous Chloride	13.00	24.25	45.45	---	---	---	---	---	---	---	---
RM325	Strontium Carbonate	---	---	3.00	11.50	20.40	48.00	90.00	---	---	---	---
RM201	Talc, Pioneer	---	---	3.00	5.00	8.00	16.25	20.25	36.70	164.00	309.00	580.00
RM202	Tin Oxide	10.00	16.30	29.10	136.95	256.80	---	---	---	---	---	---

RM204	Titanium Dioxide 55#	---	---	5.50	24.35	43.60	102.50	211.75	---	---	---	---
RM205	Tricalcium Phosphate	---	5.50	7.00	31.15	55.70	131.00	246.00	---	---	---	---
RM207	Vanadium Pentoxide	11.60	20.75	39.00	183.00	---	---	---	---	---	---	---
RM446	Vee Gum Cer	3.15	5.75	10.20	48.10	90.20	---	---	---	---	---	---
RM208	Vee Gum T	4.00	7.10	12.70	59.70	111.90	---	---	---	---	---	---
RM211	Whiting	---	---	3.00	4.00	5.50	6.50	8.00	---	---	---	---
RM212	Wollastonite W 10	---	---	3.00	9.50	14.80	30.00	37.50	67.60	302.50	570.00	1068.00
RM350	Yellow Ochre	---	---	4.50	18.40	32.80	77.25	145.00	---	---	---	---
RM213	Zinc	---	---	6.50	28.70	51.30	120.75	226.50	---	---	---	---

RM309	Zircon, Milled	---	---	5.50	24.45	43.70	103.00	193.00	---	---	---	---
RM215	Zircopax 55#	---	---	5.00	20.75	37.10	87.25	180.40	---	---	---	---

LIQUID AND BLOCK MATERIALS

ITEM #	DESCRIPTION	2oz	4oz	Pt	Qt	Gal	4Gal
WAX1	Wax Resist Resist Coat	---	5.50	9.25	15.50	41.50	---
WAX3	Wax Resist Aftosa / Cer-A	---	7.75	13.75	23.25	63.50	---
WAX6	Wax Resist Reed	---	7.25	12.95	22.00	59.95	---
RUB2	Water based Latex 74	---	---	16.50	27.75	75.80	---
REL1	Pure Lube Mold Soap	---	4.00	6.25	10.25	26.25	---
REL2	Mold Dressing	---	5.00	8.80	20.90	---	---
REL3	Mold Rinse	---	---	18.50	32.00	126.00	---
DEF1	Darvan 811	---	---	10.50	17.50	46.75	---
DEF2	Sodium Silicate	---	---	3.50	5.25	11.95	33.50
FLO1	Calcium Nitrate	---	3.25	4.75	7.75	18.75	---
FLO2	Gum Solution	---	2.50	4.00	7.00	25.00	---
MEN1	Acrylic Enhancer	---	3.73	---	---	---	---
MEN2	Mold Mender	4.24	---	---	---	---	---
KIL1	Kiln Wash	---	---	7.25	10.15	25.40	---
KIL2	Kiln Wash Z Tech	---	---	8.00	11.20	28.00	---
RG134	Raku Sealer	---	---	5.00	9.00	30.00	---
M1368	Metal Enamel Medium	---	18.25	34.75	55.95	169.00	---
		1 Block	5 Block				
WAX4	Paraffin Wax 11# per block	29.25	125.40				
WAX5	Microcrystalline Brown	49.18	224.80				

THE WORLD FAMOUS “CLAMSHELL” KILN CREATED BY: JOHN HARRIS

The Clamshell Raku Kiln is constructed from high temperature fiber in a steel frame. The sides fold down to offer unparalleled access to the hot ware. One person can easily fire this kiln, loading and unloading it without assistance. Heating takes twenty to thirty minutes using the provided propane tank and burner. Insulating fire-brick in a welded steel frame form the base of the kiln. The folding sides are made of sheet metal and angle iron. They hinge from the base and are lined with one inch thick ceramic fiber. Two vent holes on top of the kiln can be covered to allow control of the firing. Large “peep holes” on two sides give easy visibility within the kiln to check on cones or provide access for a pyrometer/thermocouple. The kiln is fired with a 75,000 BTU Venturi burner in a fixed frame. Modular construction allows easy dismantling for storage or transportation. With wheels the kiln can be moved in and out of storage. An optional thermocouple safety shut off system and pilot light, and refractory coating may be added.

\$2499.00
Inbound freight aprox. \$250.00

The Complete System Includes:

- Fiber lined clam shell frame
- Steel frame base with 2300 degree soft brick
- High pressure regulator
- Gas Valve
- 75,000 BTU Burner MR-750
- Pressure gauge
- Twelve foot hose
- Wheels for mobility
- One 16 x 16 x 5/8 shelf
- Three 4” posts
- Two year warranty on the frame
- Extension Handle

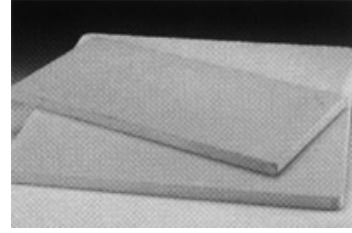
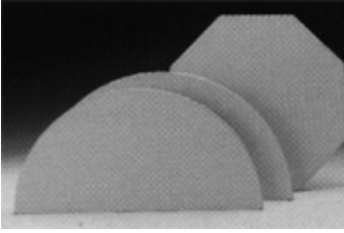
Options

- 10 gallon propane tank \$120.00
- BASO Burner System with Thermocouple Safety Shut-off System \$189.00



KILN SHELVES

MULLITE KILN SHELVES



Mullite kiln shelves are composed of 50% corderite, 35% mullite and lesser amounts of corundum and other combined minerals. This produces a shelf highly resistant to thermal shock. The 5/8" thick shelves are recommended up to cone 5, and the 1" from cone 5 to 10. They are not recommended above cone 10. When firing high, we recommend that the shelves are flipped over after each firing to compensate for warpage. *MULLITE SHELVES MARKED "N/A" are UNAVAILABLE AT THIS TIME.

ITEM#	DESCRIPTION	SHAPE	SIZE	1-5	6 OR MORE
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6 SIDED KILN

SH001	Half Shelf	Half Hexagon	9 1/4" x 5" x 1/2"	11.70	9.95
SH004	Full Shelf	Hexagon	9 1/4" x 10" x 1/2"	16.10	13.70

7 SIDED KILN

SH007	Half Round Shelf	Half Round	6 1/2" x 13" x 5/8"	16.65	14.15
SH006	Full Shelf	Round	13" x 5/8"	29.10	24.75

8 SIDED KILN

SH009	2 1/2" Brick Kiln Shelf	Half Octagon	8" x 15" x 5/8"	23.35	19.85
SH011	2 1/2" Brick Kiln Shelf	Half Octagon	8" x 15" x 1"	36.20	30.75
SH008	2 1/2" Brick Kiln Shelf	Full Octagon	15" x 16" x 5/8"	37.00	31.45
SH010	2 1/2" Brick Kiln Shelf	Full Octagon	16" x 16" x 1"	50.45	42.85
SH119	3" Brick Kiln Shelf	Half Octagon	7 1/2" x 15" x 5/8"	26.25	22.30
SH118	3" Brick Kiln Shelf	Full Octagon	15" x 15" x 5/8"	38.45	32.70

10 SIDED KILN

SH016	2 1/2" Brick Kiln Shelf	Half Decagon	10 1/2" X 21" X 5/8"	33.85	28.80
SH018	2 1/2" Brick Kiln Shelf	Half Decagon	11" X 22" X 1"	53.25	45.25
SH015	2 1/2" Brick Kiln Shelf	Full Decagon	21" X 22" X 5/8"	72.50	61.65
SH017	2 1/2" Brick Kiln Shelf	Full Decagon	21" X 22" X 1"	97.65	83.00
SH120	3" Brick Kiln Shelf	Half Decagon	10" X 20" X 5/8"	30.70	26.10
SH030	3" Brick Kiln Shelf	Half Decagon	10" X 20" X 1"	43.50	36.95
SH121	3" Brick Kiln Shelf	Full Decagon	19" X 20" X 5/8"	62.70	53.30
SH021	Center Shelf Oval Kiln	Rectangle	11" x 22" x 5/8"	43.10	36.65

12 SIDED KILN

SH022	3" Brick Kiln Shelf	Half Dodecagon	13" x 26" x 5/8"	49.55	42.10
SH023	3" Brick Kiln Shelf	Half Dodecagon	13" x 26" x 1"	69.15	58.75
SH024	3" Brick Gas Kiln Shelf	Half Dodecagon	12" x 24" x 1"	61.90	52.60
SH025	Center Shelf Oval Kiln	Rectangle	13" x 26" x 5/8"	55.35	47.00
*SH061	3" Brick Kiln Shelf	Dodecagon	26" x 26" x 5/8"	64.65	54.95
SH005	Center Shelf Skutt Oval	Rectangle	13" x 16" x 1"	65.85	55.95

ROUND SHELVES

SH074		Round	10" x 3/8"	14.30	12.15
SH007		Half Round	6 1/2" x 13" x 5/8"	16.65	14.15
SH006		Round	13" x 5/8"	29.10	24.75
SH075		Round	16" x 5/8"	42.80	36.40
SH076		Half Round	9 1/2" x 19" x 5/8"	35.15	29.90
SH077		Round	19" x 5/8"	65.85	56.00

KILN SHELVES

SQUARE AND RECTANGLE MULLITE SHELVES

ITEM#	SHAPE	SIZE	1-5	6 OR MORE
SH087	Square	6" x 6" x 1/2"	8.70	7.40
SH088	Square	7" x 7" x 1/2"	13.00	11.10
SH090	Square	8" x 8" x 1/2"	14.40	12.25
SH078	Rectangle	8" x 9" x 1/2"	15.60	13.25
SH079	Square	10" x 10" x 1/2"	17.85	15.15
*SH080	Square	11" x 11" x 1/2"	12.50	10.60
SH081	Square	12" x 12" x 1/2"	40.75	34.65
SH082	Rectangle	10" x 20" x 5/8"	34.00	28.90
SH021	Rectangle	11" x 22" x 5/8"	43.10	36.65
SH027	Square	12" x 12" x 5/8"	26.30	22.35
SH083	Rectangle	12" x 24" x 5/8"	48.45	41.20
SH025	Rectangle	13" x 26" x 5/8"	55.35	47.00
SH035	Square	16" x 16" x 5/8"	44.75	38.00
SH037	Square	18" x 18" x 5/8"	52.70	44.80
SH039	Square	20" x 20" x 5/8"	68.10	57.85
SH085	Square	21" x 21" x 5/8"	72.85	61.95
SH031	Rectangle	12" x 24" x 3/4"	55.70	47.35
SH036	Square	16" x 16" x 1"	67.50	57.40
SH038	Square	18" x 18" x 1"	86.00	73.10
SH040	Square	20" x 20" x 1"	100.60	85.50
SH041	Square	24" x 24" x 1"	138.95	118.10
SH089	Rectangle	10" x 20" x 1"	52.85	44.90
SH026	Rectangle	11" x 22" x 1"	64.85	55.10
SH032	Rectangle	12" x 24" x 1"	75.15	63.90
SH034	Rectangle	13" x 26" x 1"	87.95	74.75
SH086	Rectangle	14" x 28" x 1"	102.90	87.50

TILE SETTERS

ITEM#	SIZE	TILE SIZE	CELLS	WEIGHT	1-5	6 OR MORE
TS0001	11 1/8 x 5 1/8 x 4 5/8	4"	12	5.0	13.50	10.80
TS0024	11x 10 x 4 3/4	4"	22	13.6	25.80	20.64
TS0042	11 7/8 x 11 1/8 x 4 1/2	4"	24	14.4	26.80	21.44
TS00707	10 x 7 5/8 x 6 1/4	6"	9	10.7	25.50	20.40
TS0062	12 1/8 x 7 1/4 x 6 1/8	6"	13	7.1	17.30	13.84
TS0070	11 7/8 x 7 5/8 x 6	6"	11	11.9	27.15	21.72
TS0088	14 3/4 x 9 3/4 x 6	6"	18	18.6	42.00	33.60
TS0030	10 3/4 x 9 7/16 x 5 1/2	8"	11	9.2	22.70	18.16
TS0067	10 1/4 x 9 1/2 x 8	8"	8	13.9	33.90	27.12

Nitride Bonded Silicon Carbide Kiln Shelves

Chinese made, these shelves are good for all types of firing including salt, wood, gas, and electric. Maximum working temperature is 1360 C. (2480 degrees F.). These shelves are thin with high strength. All Nitride Shelves should be stacked using 3 post per shelf to provide even pressure on the shelf. During the early stages of firing the temperature should not exceed 275 degrees per hour to prevent the shelves from cracking. Slow cooling is also recommended to prevent cracking.

ITEM#	SHAPE	SIZE	1-5	6 OR MORE
RF327	Rectangle	11" x 28" x .500	115.95	98.60
RF328	Square	18" x 18" x .394	117.45	99.85
RF329	Square	16" x 16" x .394	89.75	78.70
RF330	Rectangle	12" x 24" x .394	84.95	74.55

KILN SHELVES

Nitride Bonded Silicon Carbide Kiln Shelves

ITEM#	SHAPE	SIZE	1-5	6 PLUS
RF331	Rectangle	16" x 24" x .394"	133.35	116.85
RF332	Rectangle	18" x 24" x .394"	157.65	138.15
RF333	Rectangle	14" x 28" x .500	134.25	117.65
RF342	Rectangle	13" x 26" x .500	128.60	112.70
RF343	Round	21" x .394	131.40	115.15
RF344	Half Round	21" x 10 1/2" x .394"	65.70	57.70
RF346	Half Round	26" x .500"	104.80	91.90

Advancer Kiln Shelves

ITEM#	SHAPE	SIZE	1-5	6 PLUS
SH405	Rectangle	11" x 22" x 5/16"		
SH406	Rectangle	12" x 20" x 5/16"		
SH400	Rectangle	12" x 24" x 5/16"		
SH401	Rectangle	14" x 28" x 5/16"	Call for current pricing	
SH407	Square	18" x 18" x 5/16"		
SH408	Rectangle	18" x 24" x 5/16"		
SH402	Half Decagon	10 1/2" x 21" x 5/16"		
SH403	Decagon	21" x 21" x 5/16"		
SH409	Half Dodecagon	13" x 26" x 5/16"		
SH404	Dodecagon	26" x 26" x 5/16"		

Saint-Gobain Silicon Carbide Shelves

CN-192 is an oxidized bonded silicon carbide with unique physical properties unlike any other competitive product available. They are excellent resisters of salt, soda, and wood alkali attack. Exceptional bond strength and tightly controlled density give CN -192 kiln shelves years of stable performance.

ITEM#	SHAPE	SIZE	1-5	6 PLUS
SH500	Rectangle	11" x 22" x 5/8"		
SH501	Rectangle	12" x 24" x 5/8"		
SH502	Rectangle	14" x 28" x 5/8"	Call for	Call for
SH503	Square	16" x 16" x 5/8"	current	current
SH504	Square	18" x 18" x 5/8"	pricing	pricing
SH505	Rectangle	12" x 24" x 3/4"		
SH506	Rectangle	14" x 28" x 3/4"		
SH507	Rectangle	18" x 24" x 3/4"		
SH508	Rectangle	12" x 24" x 1"		

Corelite Kiln Shelves

These hollow core Corelite Kiln Shelves are lighter, flatter, and stronger than solid mullite kiln shelves. For example a solid 12" x 24" x 1" mullite shelf weighs 20.75# while the same size Corelite shelf weighs 12.3#

ITEM#	DESCRIPTION	SHAPE	SIZE	1-5	6 PLUS
SH106		Rectangle	12" x 24" x 1"	56.75	48.25
SH115		Rectangle	14" x 28" x 1"	79.75	67.75
SH107		Rectangle	13" x 26" x 5/8"	53.95	45.85
SH125		Rectangle	13" x 26" x 1"	65.95	56.00
SH122		Square	16" x 16" x 1"	59.95	50.95
SH123		Square	18" x 18" x 1"	69.30	58.95
SH128		Square	20" x 20" x 1"	82.60	70.20
SH112		Square	24" x 24" x 1"	124.50	105.85
SH116	2 1/2" or 3" Brick Kiln Shelf	Half Round	7 1/2" x 15" x 5/8"	28.85	24.50
SH111	2 1/2" or 3" Brick Kiln Shelf	Round	15" x 15" x 5/8"	56.60	48.10
SH114	2 1/2" Brick Kiln Shelf	Half Round	10 1/2" x 21" x 5/8"	55.45	47.15
SH117	2 1/2" Brick Kiln Shelf	Round	21" x 21" x 5/8"	84.65	71.95
SH126	3" Brick Kiln Shelf	Half Round	10" x 20" x 5/8"	48.00	40.85
SH110	3" Brick Kiln Shelf	Round	20" x 20" x 5/8"	79.25	67.40
SH108	3" Brick Kiln Shelf	Half Round	13" x 25 1/2" x 5/8"	75.30	64.00
SH109	3" Brick Kiln Shelf	Round	26" x 26" x 1"	160.75	136.65
SH130	3" Brick Kiln Shelf	Round	25 1/2" x 25 1/2" x 5/8"	127.60	108.50
SH127	Fits GM1414	Oval	22" x 39" x 1"	340.00	N / A
SH113		Oval	26" x 39" x 3/4"	313.50	N / A

KILN SHELVES

KILN SHELVES HIGH ALUMINA

This furniture offers a good alternative to expensive silicon carbide shelving being roughly half the price. Our high alumina kiln shelves from Dyson have 11 - 12% more alumina than standard cordierite shelves found in common usage. This gives the Dyson shelf a higher firing range, up to cone 11 or 12. They are quite durable and not subject to thermal shock problems that afflict shelves that are mainly composed of alumina. We have had great success with these shelves in gas kilns and in electric kilns. If you fire at higher temperatures in your electric kiln you can save money and strain on your back by using a 3/4 inch high alumina shelf instead of the 1 inch cordierite.

ITEM#	SHAPE	SIZE	1-5	6 OR MORE
7 SIDED KILN				
SH068	Round	12" x 1/2"	27.00	22.95
8 SIDED KILN				
SH046	Half Round	7 3/4" x 15 1/2" x 5/8"	25.75	21.80
SH047	Round	15 1/2" x 5/8"	41.75	35.50
10 SIDED KILN				
SH048	Half Round	10 1/2" x 21" x 3/4"	41.50	35.30
SH049	Round	21" x 3/4"	82.50	70.00
SH054	Half Round	10" x 20" x 3/4"	39.25	33.50
SH060	Round	20" x 3/4"	78.00	66.25
12 SIDED KILN				
SH051	Half Round	13" x 26" x 3/4"	57.75	49.00
SH070	Round	26" x 3/4"	119.25	101.25
SQUARE AND RECTANGULAR SHELVES				
SH062	Rectangle	11" x 22" x 3/4"	56.75	48.20
SH066	Rectangle	12" x 24" x 3/4"	57.75	49.00
SH052	Rectangle	12" x 24" x 1"	83.00	70.50
SH053	Rectangle	14" x 28" x 1"	96.50	82.00
SH065	Square	16" x 16" x 1"	62.00	52.70
SH063	Square	18" x 18" x 1"	68.80	58.50
SH064	Square	20" x 20" x 1"	111.00	94.35
SH069	Square	21" x 21" x 1"	101.50	86.25
SH071	Rectangle	13" x 26" x 3/4"	77.75	66.00

SPECIALTY SHELVES PLATE SETTERS

DYSON PLATE SETTERS HIGH DUTY - Three legs required per setter.

ITEM #	MAX. WARE DIAMETER	1-5	6 OR MORE
VB3	8-1/4"	9.00	7.65
VB5	5-3/4"	6.65	5.65
VB6	12"	17.00	14.45
VB7	14-1/4" X 10" OVAL	20.55	17.45
TFS49	17-1/2"	50.85	43.20

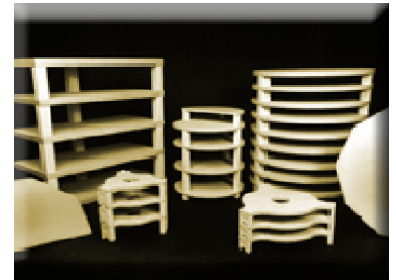


PLATE SETTERS LEGS - Three legs required per setter.

ITEM #	HEIGHT	1-5	6 OR MORE
VSVL25	3/4"	1.25	1.05
VSVL36	1"	1.35	1.15
VSVL44	1-1/2"	1.55	1.30
VSVL56	1-7/8"	1.70	1.45
VSVL65	2-1/4"	1.80	1.55
VSVL85	3"	2.45	2.10
VSVL115	4"	2.50	2.15

Add 10% packing charge for shipping. Some items are in stock. Please contact us for availability.

KILN POSTS AND CONES

MULLITE KILN POST

ITEM #	DESCRIPTION	SHAPE	SIZE	1-9	10 OR MORE
KP001	Kiln Post	Square	1 1/2" x 1 1/2" x 1"	2.32	1.98
KP002	Kiln Post	Square	1 1/2" x 1 1/2" x 2"	2.36	2.01
KP003	Kiln Post	Square	1 1/2" x 1 1/2" x 3"	2.72	2.31
KP004	Kiln Post	Square	1 1/2" x 1 1/2" x 4"	2.92	2.48
KP005	Kiln Post	Square	1 1/2" x 1 1/2" x 5"	3.28	2.79
KP006	Kiln Post	Square	1 1/2" x 1 1/2" x 6"	3.72	3.16
KP007	Kiln Post	Square	1 1/2" x 1 1/2" x 7"	4.28	3.64
KP008	Kiln Post	Square	1 1/2" x 1 1/2" x 8"	4.44	3.77
KP009	Kiln Post	Square	1 1/2" x 1 1/2" x 9"	4.96	4.22
KP010	Kiln Post	Square	1 1/2" x 1 1/2" x 10"	5.48	4.66
KP011	Kiln Post	Square	1 1/2" x 1 1/2" x 11"	6.04	5.13
KP012	Kiln Post	Square	1 1/2" x 1 1/2" x 12"	6.52	5.54
KP013	Kiln Post	Square	1 1/2" x 1 1/2" x 13"	7.08	6.02
KP014	Kiln Post	Square	1 1/2" x 1 1/2" x 14"	7.64	6.49
KP015	Kiln Post	Square	1 1/2" x 1 1/2" x 15"	8.16	6.94
KP016	Kiln Post	Square	2" x 2" x 1"	2.56	2.18
KP017	Kiln Post	Square	2" x 2" x 2"	2.72	2.31
KP018	Kiln Post	Square	2" x 2" x 3"	3.12	2.65
KP019	Kiln Post	Square	2" x 2" x 4"	3.40	2.89
KP020	Kiln Post	Square	2" x 2" x 5"	3.84	3.26
KP021	Kiln Post	Square	2" x 2" x 6"	4.40	3.74
KP022	Kiln Post	Square	2" x 2" x 7"	5.04	4.28
KP023	Kiln Post	Square	2" x 2" x 8"	5.24	4.45
KP024	Kiln Post	Square	2" x 2" x 9"	5.84	4.96
KP025	Kiln Post	Square	2" x 2" x 10"	6.48	5.51
KP026	Kiln Post	Square	2" x 2" x 11"	7.16	6.09
KP027	Kiln Post	Square	2" x 2" x 12"	7.76	6.60
KP028	Kiln Post	Square	2" x 2" x 13"	8.40	7.14
KP029	Kiln Post	Square	2" x 2" x 14"	9.00	7.65
KP030	Kiln Post	Square	2" x 2" x 15"	9.64	8.19

We stock most 1 1/2" and 2" sizes of post. 1" square, 1 1/2" triangle, 2 1/4" round may be special ordered. All shelf and post prices are loose, if packing is required a 10% packing fee will be added.

CONES AND BARS

Orton cones come in four shapes: self-supporting, large, regular, and bar form. Self-supporting stand on their own, and come 25 to a box. Large regular require some sort of support (cone plaque, clay pad, or wire cone holder), and come 50 to a box. Small regular are most often used in a Dawson Kiln Sitter but can be used upright with support. They come 50 to a box. Bars are only used in kiln sitters, and come 50 to a box. Orton recommends that cones should always be used in groups of at least three in sequence in the desired heat range. A guide cone cooler than the desired temperature, the fire cone, and a guide cone one cone hotter than the cone desired. In electric kilns to guard against kiln sitter malfunction, always use a visual cone.



ITEM#	DESCRIPTION	1-4	5-9	10+
OC LRB	Large regular box of 50	13.70	13.02	12.33
OC SRB	Small regular box of 50	10.00	9.50	9.00
OC SSB	Self-supporting box of 25	9.90	9.41	8.91
OC BRB	Pyrobar box of 50	12.00	11.40	10.80

CONE PLAQUES Ceramic cone plaques hold either 2, 3, or 4 large standard cones at the proper firing angle.

- 4 hole \$.85 each
- 3 hole \$.85 each
- 2/4 hole \$.85 each



WIRE CONE HOLDERS Designed to hold pyrometric cones at the correct position for proper firing results. 5 per box

- Large standard cone holder \$3.00 per box
- Small regular cone holder \$2.90 per box

STILTS

CERAMIC STILTS Stilts are used to elevate glazed ceramic ware to prevent the objects from sticking to the kiln shelf during firing. We have two types, wire point and ceramic double point. The wire point stilts leave a smaller mark on the bottom of the ware but will deform over time. The double point stilts leave a larger mark but hold up better. Both will perform satisfactorily to cone 10. The size is measured point to point.



ALL CERAMIC STILTS

These all ceramic stilts are preferable when firing heavier forms compared to the metal pointed stilts. The ceramic points will not bend under extra weight, but leave more of a mark on the finished piece.



A SERIES

The most common steel pointed stilts used.

ITEM#	SIZE	1	12
RS00	1/4"	1.23	.93
RS0	1/2"	1.23	.93
RS1/2	3/4"	1.36	1.02
RS1	1"	1.48	1.11
RS2	1 1/4"	1.84	1.38
RS4	1 1/2"	2.07	1.55
RS6	2 1/4"	2.30	1.73
RS8	2 3/4"	2.58	1.94
RS10	3 1/2"	2.94	2.20

B SERIES

Have multiple pins to hold smaller, heavier pieces

ITEM#	SIZE	1	12
RSB2	1 1/4"	2.52	1.89
RSB4	1 1/2"	2.52	1.89
RSB6	2 1/4"	3.34	2.50

C SERIES

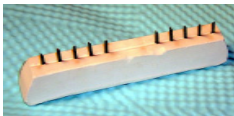
These stilts are used for larger objects and for pieces that are fairly heavy.



ITEM#	SIZE	# OF POINTS	1	12
RS12x6	4 1/4"	6	6.88	5.16
RS12x15	4 1/4"	15	7.13	5.35
RS14x9	5 1/4"	9	7.70	5.78
RS14x15	5 1/4"	15	8.14	6.11
RS16x18	7 1/4"	18	9.36	7.02

D SERIES

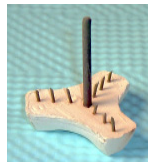
These bar stilts are ideal for placing under pieces that are not round.



ITEM#	SIZE	# OF POINTS	1	12
RS2B	2"	5	1.89	1.42
RS3B	3 1/4"	10	3.19	2.39
RS4B	4"	10	3.08	2.31
RS5B	3 1/2"	9	3.31	2.48
RS4B20	4"	20	4.09	3.07

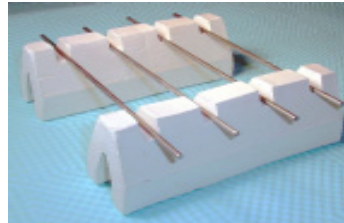
E SERIES

These stilts with a rod mounted in the middle are ideal for firing bells, vases, and salt and pepper shakers.



ITEM#	SIZE	ROD HEIGHT	1	12
RS2S	1 3/4"	1 1/2"	3.23	2.42
RS6S	3"	2 1/2"	5.62	4.22
RS10S	4"	6"	7.46	5.60

ITEM#	SIZE	1	12
DP01	1 1/8"	1.88	1.41
DP02	1 9/16"	1.92	1.44
DP03	1 15/16"	2.10	1.58
DP04	2 1/8"	2.16	1.62
DP05	2 1/2"	2.37	1.78
DP06	2 3/4"	2.52	1.89
DP07	3 1/8"	2.75	2.06
DP08	3 1/16"	3.24	2.43
DP12	4 1/8"	4.86	3.65



SMALL BEAD RACK

Use this bead rack for firing all shapes and sizes of beads. Comes with four 6" metal rods for firing. Replacement rods are available. SBR **\$18.50**

LARGE BEAD RACK

This large bead rack comes with six 10" rods for firing your beads on.

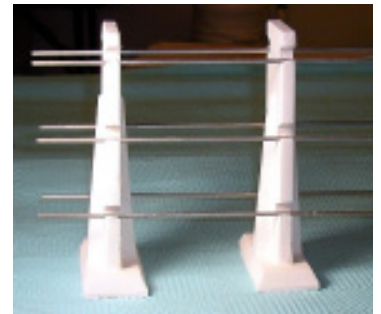
LBR10 \$39.50

Replacement Rods

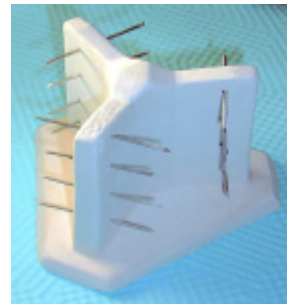
6" Rod each **\$3.50**

10" Rod each **\$5.75**

2" Rods set of 12 **\$8.15**



BEAD TREE Twelve thin nichrome wire rods allow you to fire multiple beads on this rack at one time. This bead tree is best for smaller light weight beads. **RBT \$24.40**



TRIANGLE STILTS

These 1/4" triangular stilts are ideal for stacking ware above the kiln shelf. They come packaged 144 per box. 36 each of 1 1/2" - 2" - 3 1/2" - 4"



\$14.95 per package

REFRACTORY MATERIALS

Insulation Materials

Cerablanket ceramic fiber insulation - An excellent insulating material. It is manufactured like fiberglass insulation, but designed to withstand much greater heat. You can get this product in many different forms including flexible blankets, rigid boards, paper and cast shapes. The blanket form is most commonly used and generally comes 24" or 48" wide by 25' long. Fiber particulates are definitely dangerous to breathe and are quite irritating to the skin. One must wear the proper protective equipment to handle it during installation and when fiber is disturbed during use. A lightweight, flexible batting made from bulk ceramic fibers.



Superwool 607- A new generation of soluble fiber. This fiber will dissolve if it is breathed into your lungs, good to 1800 degrees.

Ceramic Fiber Board - Backup Insulation for Fiber Back up for Bricks or Castables

Combustion Chamber Linings Gaskets & Seals Kiln & Stack Linings Jewellery Soldering Boards Ceramic fiber or mineral wool formed into rigid boards has many uses. They are noted for their low thermal conductivity and excellent handling strength. It is easily machined, drilled, sawed, and fabricated.

K-FAC 1900 - A lightweight mineral wool block that retains its stability and high thermal efficiency. It is honeycombed with countless dead air cells for maximum insulating value, yet its interlocking fibrous structure produces a tough resilient block. Not recommended for hot face applications, backup only.

ITEM#	TYPE	DENSITY	THICKNESS	DIMENSIONS	RATED	PER SQ FT	ROLL/BOX SQ FT
REF63	Cerablanket	8 lb.	1 inch	24" x 25'	2400F	4.00	3.20
REF82	Superwool 607 HT	8 lb.	1 inch	24" x 25'	2400F	4.65	3.75
REF71	Fiberpaper		1/32 inch	24 inch	2400F	2.55	
REF69	Fiberpaper		1/16 inch	48 inch	2400F	3.25	
REF66	Fiberpaper		1/8 inch	48 inch	2400F	6.55	
REF67	Fiberpaper		1/4 inch	48 inch	2400F	6.70	
REF70	M Board	Regular	1 inch	24" x 36"	2400F	13.50	Sold in full sheets only
REF61	M Board	Regular	1/2 inch	24" x 36"	2400F	6.75	Sold in full sheets only
REF72	K-Fac 1900	48 sq. ft./box	1 inch	12" x 36"	1900F	4.10	3.28
REF73	K-Fac 1900	24 sq. ft./box	2 inch	12" x 36"	1900F	8.20	6.56

Insulating Brick and High Duty

Some of the finest brick made. We stock Hard Brick, 2300°F & 2600°F Insulating brick in straights. We can also order arch brick. Prices are per brick. Bricks are packed 12 to a carton for 2 1/2" and 10 to a carton for 3" straight Insulating brick. Arches and wedges are sometimes 30 to a carton and sold in carton quantities only. Hard brick is shipped on pallets. Bricks are standard 2 1/2" series.

ITEM#	TYPE	RATED	PRICE EACH	25+	250+
REF01	K23 Soft (2 1/2")	2300F	5.70	4.30	3.65
REF03	K23 Soft (3")	2300F	6.80	5.10	4.35
REF02	K26 Soft (2 1/2")	2600F	8.50	6.40	5.45
REF78	Clipper Hard (2 1/2")	3000F	8.35	6.25	5.33
REF81	Clipper Hard #1 Arch	3000F	9.15	6.85	5.84
REF04	Clipper Hard Splits	3000F	9.15	6.85	5.84
REF06	Empire Hard Soap	3000F	8.55	6.45	5.47

Other Fiber and Refractory Products

Sairset Kiln Cement - A wet, high temperature, air setting mortar that is an excellent troweling mix to bond fiber, brick, and metal. Made with colloidal silica to provide stickiness. Apply in thicknesses under 1/8".

REF08	4oz \$6.05	Pint \$8.70	Quart \$12.40	Gallon \$31.60	55lbs. \$85.95
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Greenpatch 421 - Very similar to SAIRSET but can be used in any thickness to bond, fill, or coat. Comes wet and ready use.

REF19	4oz \$6.90	Pint \$9.85	Quart \$14.10	Gallon \$40.15	55 lbs. \$120.00
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Rigidizer aka Colloidal Silica

REF96	Pint \$7.00	Quart \$10.00	Gallon \$27.00	5 Gallon \$91.00
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Castable Refractory

REF99	Kastalite 30	55 lbs.	66.00
REF79	Missou	55 lbs.	66.00

PYROMETERS

Clay Art Digital K type Pyrometers



The Clay Art Digital Pyrometer combines accuracy, ease of use and dependability in a rugged package designed for years of consistent performance. These digital pyrometers are very useful when firing Raku, know the exact temperature and rate of climb. The Pyrometers are powered by a replaceable 9 volt battery. They are available in a single lead thermocouple or a dual lead thermocouple. Price includes

Std Thermocouple.

SDT141S	Single Lead	\$151.95
SDT142S	Dual Lead	\$214.95

Thermocouple This heavy duty thermocouple is easy to install and hook up. Good for all types of firings. For extended thermocouple life in salt and wood kilns, we recommend the optional protection tube.

Custom sizes available call for quotes.



ITEM#	SIZE	PRICE
PM16	5.5" K type Std Thermocouple	\$21.60
PM17	8" K type Std Thermocouple	\$22.95
PM18	12" K type Std Thermocouple	\$25.65
PM25	6" K type Pyro HD Twisted	\$22.75
PM29	8" K type Pyro HD Twisted	\$25.95
PM26	12" K type Pyro HD Twisted	\$28.85
PM28	Thermocouple Block	\$6.05

Protection Tube

This 12" long ceramic tube is designed to increase your thermocouple life. Recommended for wood or salt firings.

PM22	Protection Tube	\$24.30
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ACI Analog K type Pyrometer



ACI Analog Pyrometer - This large (4.5" x 4") meter is great for easy temperature checks. It comes with a 6" thermocouple, 6' of extension wire, and a mounting bracket that allows for either horizontal or vertical mounting. Complete instructions come with this meter which is guaranteed for 1 year. It has both Centigrade & Fahrenheit scales.

\$94.95

Mini K Connectors



Mini K Connectors - These connectors are the same type that plug into the digital pyrometers. With these and additional wire and thermocouples, you can create as many measured zones in a kiln as you want. They're especially great for wood

kilns. Each connector has a labeling window to identify your zone. Simply plug in and measure.

Mini K Male Connector	\$5.25
Thermocouple Wire, per ft.	\$2.00



Fireball Oxprobe

The Fireball Oxprobe is a precision instrument designed to improve the firings in fuel-fired kilns. The Fireball Oxprobe will likely pay for itself in fuel savings alone because it will indicate precise

neutral combustion in the firing atmosphere, which is the most efficient firing condition using the least fuel for maximum heat rise. Whether you are firing high-fire reduction, oxidation whiteware or medium fire, there are periods in the firing when neither reduction nor oxidation is required—just efficient combustion and maximum heat advance is desired. It is not unusual for savings of 25% or more in fuel consumption when using the Fireball Oxprobe.

ITEM#	DESCRIPTION	Price
AOP-2	Oxygen Probe - 300mm (10")	\$975.00

TILES

These high quality bisque tiles are just what you need for that kitchen or bathroom upgrade. Also great for production and group projects, these stark white earthenware tiles take low-fire underglazes and glazes very well and offer a good surface and medium for both classroom murals or individual trivets.

ITEM#	DESCRIPTION	1	40+	10Box
TL106	6"x6"x1/4"	2.25	1.75	1.60
TL112	4 1/4"x4 1/4"	2.00	1.50	1.35

Stoneware Tiles

These 6"x6" bisque stoneware tiles made from Newcomb Clay bodies are available in cone 6 and cone 10

ITEM#	DESCRIPTION	PRICE	50+
TL148	Cone 10 6" x 6" tile	3.50	3.00
TL144	Cone 6 6" x 6" tile	3.50	3.00
TL149	Cone 10 8" x 8" tile	5.50	5.00
TL145	Cone 6 8" x 8" tile	5.50	5.00

STOOLS-BATS



Stools and Chairs

Potter's Stool Fits all wheels, 18" high, made from heavy gauge tubular steel. This stool is not adjustable. **\$81.00**

Shimpo Adjustable Stool The adjustable leg allows an assortment of heights to accommodate everyone, and can be tilted to relieve strain on your lower back. The seat is padded for extra comfort. **\$71.00**



Speedball Potter's Stool - Has thin, firm, durable cushion. Manual spindle adjusts from 18" to 21" ST5 **\$111.50**



Speedball Institutional/Student Potter's Stool - Rugged, contoured seat with low rear seat support. Molded plastic, durable in the most severe use conditions. Easy to clean up. Adjustable seat height from 16" to 23". Five-leg base for stability. ST-4 **\$128.00**

BATS

Plasti-Bat Plasti-Bat was designed by studio potters to be a versatile, long lasting, high quality bat. Developed for continuous use, they will not splinter, delaminate, swell, or shrink. Soaking in water will not harm or warp them. The bat pin holes remain just as drilled and will not become oversized with use. Plasti-bat is a non-absorbent, positive adhering surface and clay does not slide or turn loose while centering.



PLASTI-BATS WITH HOLES 10" CENTER TO CENTER

ITEM#	DESCRIPTION	PRICE
WS109	12"	\$9.95
WS110	14"	\$15.95

Dirty Girls Bat System

This bat system comes with one master bat and 10 round 7.5" inserts OR 10 square 6.5" inserts.

Round Bat System	\$60.00
Square Bat System	\$60.00

Speedball Bats

Made from injection molded plastic, these will fit all wheels with 9" or 10" center to center pin systems. The throwing surface is smooth, without pin holes. The "easy lift rim" makes removing your bat from the wheel head simple.



WS129	7 1/2" Square bat	\$5.75
WS130	12" Round bat	\$8.00
WS131	14" Round bat	\$9.25



Duron Bats Made of a very dense tempered masonite these bats will hold up well with prolonged use. Please specify wheel brand, model, and pin size.

ITEM#	SIZE	1	12
WS117	6"	\$2.80	\$2.45
WS116	8"	\$3.10	\$2.75
WS132	9" SQ	\$4.70	\$3.76
WS120	10"	\$3.65	\$2.90
WS118	12"	\$5.25	\$4.20
WS119	14"	\$6.95	\$5.56

Plastic Laminate Covered Pressboard Bats

These bats are 3/4" thick pressboard covered on one side with a plastic laminate.

ITEM#	SIZE	1	12
WS122	8"	\$2.70	\$2.16
WS123	12"	\$5.25	\$4.20
WS124	14"	\$5.50	\$4.40
WS125	16"	\$5.90	\$4.72
WS126	18"	\$13.75	\$11.00
WS128	24"	\$19.50	\$15.00

BANDING WHEELS

BANDING WHEELS

We have done a thorough analysis of all the banding wheels on the market, and have found that the following products are the best available in terms of quality and price.

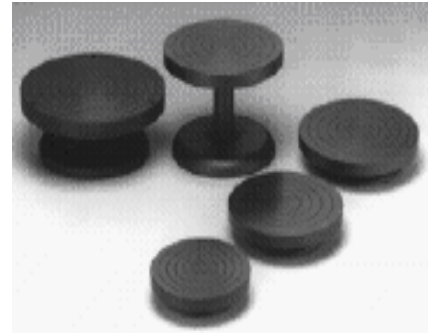
All Aluminum - Perfect for modeling, finishing or decorating, this 7" wheel is marked with concentric circles, rotates smoothly on a ball bearing and is weighted at the rim for greater momentum. Grooved wheel shank accommodates a small round belt for mechanization. Setstone Bats allow for continuous use.

11078J Wheel No. 5, 7" head \$47.10



Shimpo Banding Wheels

Shimpo's banding wheels are used for decorating, sculpting, carving and hand building. Shimpo banding wheels are designed to provide reliably smooth and even rotation for the most delicate applications - no wonder they



are the banding wheel of choice for studio artists, production potters and classrooms alike. Shimpo offers four wheel head sizes at three different heights in order to meet every need. There is truly no better banding wheel on the market.

ITEM#	DESCRIPTION	PRICE
BW-18L	7" Diam.-2 1/4" Ht	\$60.00
BW-22L	8 3/4" Diam.-2 1/4" Ht.	\$73.00
BW-25L	9 7/8" Diam.-2 1/4" Ht.	\$99.00
BW-25H	9 7/8" Diam.-7 1/2" Ht.	\$110.00
BW-30M	11 3/4" Diam.-4 3/4" Ht.	\$130.00

FORMICA COVERED BANDING WHEELS

These sturdy low profile banding wheels feature a Lazy- susan type ball bearing system. Great for classroom use when a good quality banding wheel is needed at a low price.



ITEM#	DESCRIPTION	PRICE
TT8	8"	\$20.50
TT10	10"	\$24.30
TT12	12"	\$26.40
TT14	14"	\$31.60
TT16	16"	\$32.80