Clays

Available Nationwide and Around the World

- Formulated for performance and consistent quality
- Made with quality controlled raw materials and batch-tested
- Mixed according to regional preferences

Minimal Carbon Footprint

Our clays are manufactured in City of Industry, California and Byesville, Ohio. This allows for affordable transport to our customers and our extensive distributor network.

- Western orders are shipped from our California facility
- Northeastern orders are shipped from our Ohio facility
- Southeastern orders are shipped from our Florida facility

Over 200 Clay Bodies in Stock

Laguna Clay offers the most comprehensive off-the-shelf selection available. While some of our clay body formulations are produced at more than one location, others are formulated with local materials. In deciding which clay bodies to manufacture and where, Laguna carefully assesses a variety of factors.

Thinking Green and Sustainable

Laguna Clay attempts to use materials that are mined as close to the manufacturing sites as possible. We also consider ceramic traditions and respected ceramists of each region in order to enhance these rich regional differences. While it is the most economically and ecologically responsible to use a clay body that was manufactured at a Laguna site nearest you, our distributors can arrange to procure any clay body we produce from any location. Of course, we are happy to mix custom blends just for you.

Selecting the Right Clay

There are numerous decisions to make in selecting the right clay—decisions which are usually aided by experimentation and trial and error. However, we have a number of charts and additional information that will help you select a clay which offers the right temperature and color for oxidation or reduction, the right texture amount, if any, of grog or sand, the right firmness, and the right shrinkage and absorption. Some or all of these factors may be important to you and the project you are creating.

Warranties and Responsibilities

We take our responsibility to you very seriously. Every batch of pugged clay, liquid slip, or dry casting body is tested and approved prior to being shipped from our factories. While our testing ensures that our products meet our standards, it does not guarantee performance in your specific application. Only by thoroughly testing can you guarantee that the materials you buy are truly suitable for your use and your specific application. There is simply no substitute for testing.

For additional help in making your ordering decisions, please contact us at:

Website: **www.lagunaclay.com**
Phone: **California (626) 330-0631**
Ohio (740) 439-4355
Florida (407) 365-2600
Email: **info@lagunaclay.com**

“I Can Hear the Oceans” by Eileen Braun.
Porcelain slip, slip-trailed surface, electric kiln at Cone 6.
Each piece is 9”h x 8”w x 8”d.

Quality Assurance

All of our clays under the Laguna, Miller, and Axner labels are carefully formulated, mixed, pugged, and stringently tested to assure proper performance, consistency and the highest quality.

Laguna Clay Commitment to You

Our goal is to provide you with the highest qualty, best performing, most consistent clay that you will find anywhere. The Laguna family of employees and the procedures that we have instigated makes this goal highly achievable. We are ready to prove it to you.

Bryan Vansell
President
Laguna Clay Company

Pentrometer

Technical Expertise:

Evan Vieser
Clay Production Manager
Laguna California facility

Matt Morris
Manager
Laguna Ohio facility

Clay Formulations

Laguna clays have been formulated to perform to the highest standards for a variety of functions, ranging from pottery to sculpture to industrial applications.

Dilatometer

Clay Batching and Mixing Procedures

Many years of processing clay have honed this aspect down to a science. Each clay body is carefully batched and assigned a control number that follows it throughout the clay mixing, damp clay testing, and sample tile firing process. A *Pentrometer* tool is used to measure the correct consistency of each clay batch.

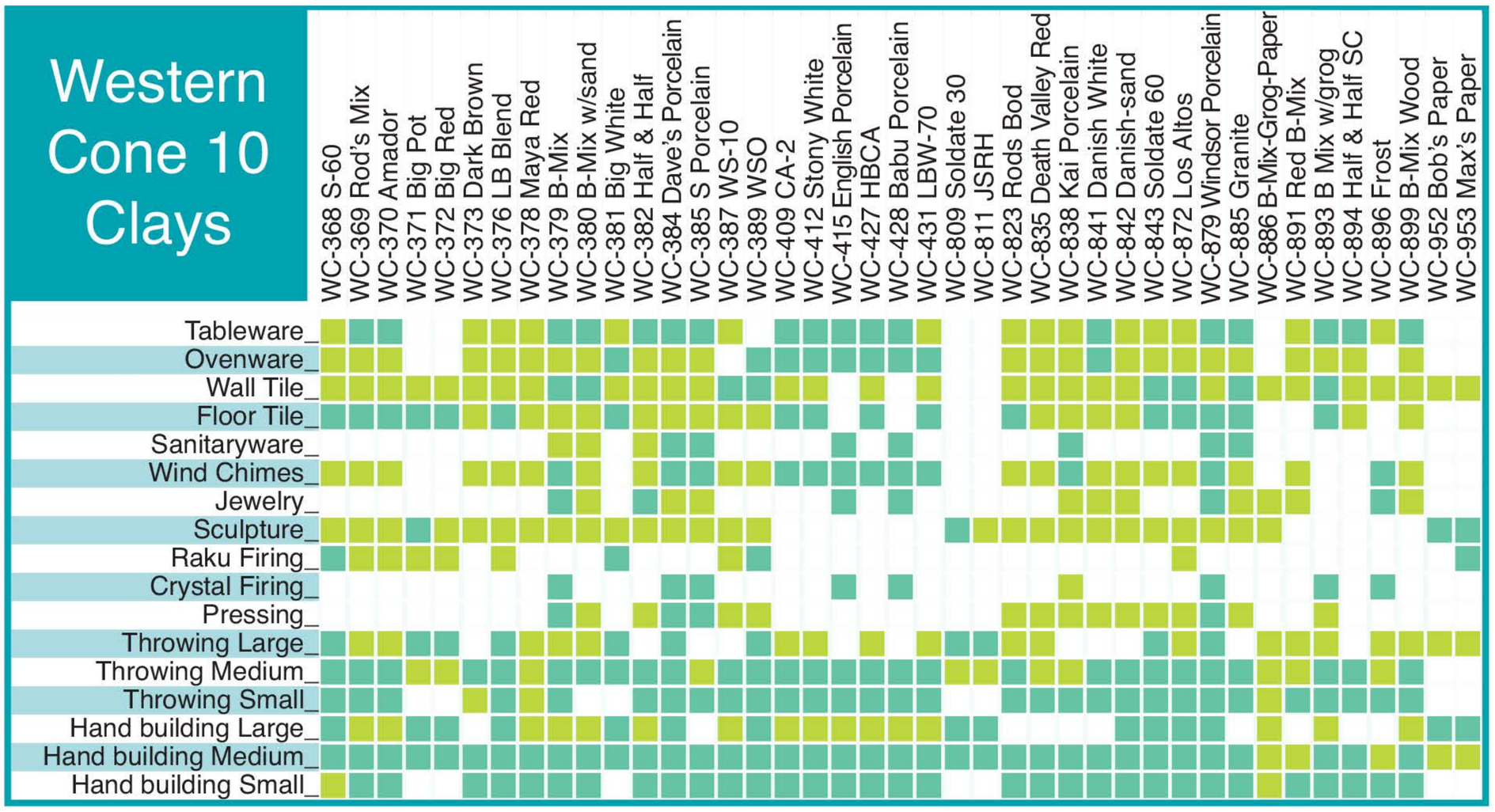
Clay Testing Procedures

After a batch of clay is processed, a small sample is taken from the batch and dispatched to the Laguna laboratory, where a test bar is made and marked for future reference. Each test bar is measured before and after firing to check shrinkage, deformation, and warpage. This, along with a color and texture examination, is part of the extensive testing procedure before a clay body is released for shipment. In developing new clay bodies or spot-checking the quality of a stock clay, Laguna uses special testing machines. The *Dilatometer* is used to measure clay expansion and contraction that determines the coefficient of expansion, which affects the clay's compatibility with a glaze. It also measures the amount of crystobolite formed in a clay body during the firing process, which provides valuable information as to whether the clay is susceptible to thermal shock. For further quality assurance, before any chemical goes into the clay body, it is tested using a *Miniflex X-Ray Defractor*, which checks the accurancy of the chemical makeup.

Clay Application Charts

Based on laboratory testing and input from our technical staff and customers, we are pleased to provide the following guides to assist customers in accurately selecting the Laguna Clay materials best suited for their projects.

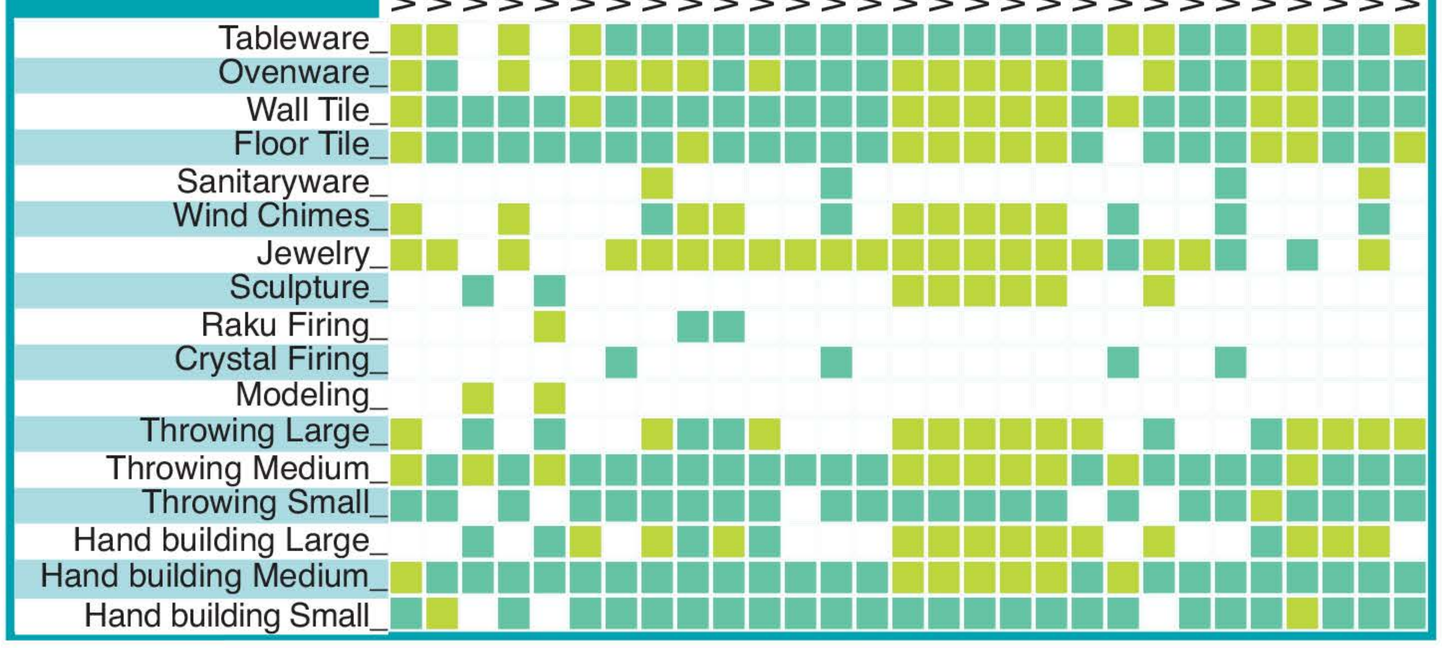
Western Cone 10 Clays



Highly recommended

Recommended

Western Cone 5 Clays



By Calvin Ma using B-Mix

“Brushwork Platter” by Sam Scott Pottery, 2008. 18” diameter, Laguna Kai Porcelain, natural gas reduction-fired to Cone 12.

Western Cone 06 Clays

	EM-207 Red	EM-210 White	EM-212 White/sand	EM-214 Buff/sand	EM-215 Terra Cotta Sculp.	EM-217 Wed	EM-234 Red Sculpture	EM-330 Laguna 06 White	EM-334 Wards 06 Red	EM-342 Whiteware	EM-343 R-2 Red	EM-344 R-2 Red w/grog	EM-345 Raku K-white	EM-348 06 #8 Pressing	EM-347 Whiteware w/grog	EM-349 Whiteware w/grog paper clay	WC-548 Raku Throwing	WC-549 Raku Industrial
Artware_	■	■	■	■	■		■	■	■	■	■	■		■	■	■		
Ovenware_	■	■	■	■			■	■	■	■	■	■		■	■			
Wall Tile_	■	■	■	■			■	■	■	■	■	■		■	■	■		
Wind Chimes_	■	■	■					■	■	■	■	■		■		■		
Jewelry_	■	■						■	■	■	■	■		■		■		
Sculpture_	■	■	■	■	■		■		■	■	■	■	■			■	■	■
Raku Firing_		■	■	■									■			■	■	■
Saggar Firing_	■	■	■	■	■		■	■	■					■	■	■		
Pit Firing_	■	■	■	■	■		■	■	■	■	■				■	■		
Jiggering_	■	■	■	■			■	■	■	■	■		■			■	■	■
Modeling_	■	■				■		■	■	■	■			■		■		
Throwing Large_				■									■			■	■	■
Throwing Medium_			■	■	■		■					■	■		■	■	■	■
Throwing Small_	■	■	■	■	■		■	■			■	■	■		■	■	■	■
Hand building Large_				■	■	■	■		■			■	■			■	■	■
Hand building Medium_	■	■	■	■	■	■	■	■	■		■	■	■		■	■	■	■
Hand building Small_	■	■	■	■		■		■	■		■	■	■		■	■	■	■

“Brushwork Teapot” by Sam Scott Pottery, 2008. 11” x 8” x 6.5”, Laguna Kai Porcelain, natural gas reduction-fired to Cone 12.

Clay Application Charts

North-Eastern Cone 10 Clays

	WC-379 B-Mix	WC-618 #510	WC-625 #700	WC-627 #850	WC-628 #900	WC-629 #910	WC-630 #950	WC-631 #550	WC-637 #1050	WC-643 #901	WC-843 Soldate 60	WC-886 B-Mix-Grog-Paper	WC-891 Red B-Mix	WC-893 B-Mix wGrog	WC-899 B-Mix Wood	WC-952 Bob's Paper	WC-953 Max's Paper
Tableware_	■	■	■	■	■	■	■	■	■	■	■		■	■	■		
Ovenware_	■	■	■	■	■	■	■	■	■		■		■	■	■		
Wall Tile_	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Floor Tile_	■		■	■	■	■	■		■	■	■			■	■		
Sanitaryware_	■	■						■									
Wind Chimes_		■						■			■		■	■	■		
Jewelry_		■						■				■	■	■	■		
Sculpture_	■		■		■	■	■		■	■	■	■				■	■
Jiggering_		■						■									
Raku Firing_																	■
Crystal Firing_	■							■									
Pressing_		■						■			■						
Throwing Large_	■	■	■	■	■	■	■		■	■	■	■	■	■	■	■	■
Throwing Medium_	■	■	■	■	■	■	■	■	■		■	■	■	■	■		
Throwing Small_	■	■	■	■	■	■		■	■		■	■	■	■	■		
Hand building Large_	■				■	■	■		■	■	■	■		■	■	■	■
Hand building Medium_	■	■	■	■	■	■	■			■	■	■	■	■	■	■	■
Hand building Small_	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■		

■ **Highly recommended**

■ **Recommended**

"Venus Gaia" by Marko Fields.
"My first teaching job out of grad school found me in southwest Kansas on the edge of the high desert. Death Valley and Rod's Bod were instrumental in helping me respond artistically to my new geographical environment, while continuing to use B-Mix to provide contrast or a white canvas for my color-saturated sgraffito or press-molded and underglazed imagery." —Marko Fields

North-Eastern Cone 6 Clays

	WC-401 B-Mix 5	WC-436 BMix-5-Grog	WC-437 Frost-6	WC-601 #30	WC-602 #40	WC-603 #45	WC-606 #50	WC-607 #55	WC-608 #60	WC-609 #65	WC-610 #66	WC-611 #70	WC-612 #75	WC-613 #80	WC-614 #90	WC-616 #15	WC-617 #16
Tableware_	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Ovenware_	■	■		■	■	■	■	■	■	■	■	■	■	■	■		
Wall Tile_	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Floor Tile_	■	■		■	■	■	■	■	■	■	■	■	■	■	■		
Sanitaryware_	■									■	■				■	■	
Wind Chimes_	■	■	■							■	■				■	■	
Jewelry_	■	■	■							■					■	■	
Sculpture_				■	■	■	■	■	■	■	■	■	■	■			
Jiggering_				■	■	■	■	■	■					■	■	■	■
Raku Firing_																	
Crystal Firing_	■		■							■						■	■
Pressing_				■		■	■			■				■		■	■
Modeling_				■		■				■				■			
Throwing Large_		■		■	■	■	■	■		■	■	■	■	■	■		
Throwing Medium_	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Throwing Small_	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Hand building Large_		■		■	■	■	■	■	■	■	■	■	■	■	■		
Hand building Medium_	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Hand building Small_	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■

North-Eastern Cone 06 Clays

	EM-100 #10	EM-101 #10-G	EM-102 #10-NW	EM-103 #10-T	EM-104 #10-VW	EM-105 #12	EM-106 #20	EM-107 #20-G	EM-109 #26	EM-210 White	EM-349 Whiteware w/grog paper clay	EM-635 #200	EM-636 #250
Tableware_	■	■	■	■	■	■	■	■		■	■		
Ovenware_	■	■	■	■	■	■	■	■	■	■		■	■
Wall Tile_	■	■	■	■	■	■	■	■	■	■	■	■	■
Floor Tile_									■		■	■	■
Sanitaryware_									■		■	■	
Wind Chimes_	■	■	■	■	■	■	■	■	■	■	■	■	
Jewelry_	■		■	■	■	■	■			■	■		
Sculpture_		■						■	■	■	■	■	■
Jiggering_	■		■	■	■	■	■			■	■		
Raku Firing_		■								■	■	■	■
Crystal Firing_											■		
Pressing_	■		■	■	■	■	■				■		
Modeling_	■			■		■				■	■		
Throwing Large_	■	■	■	■	■	■	■	■		■	■	■	■
Throwing Medium_	■	■	■	■	■	■	■	■		■	■	■	■
Throwing Small_	■	■	■	■	■	■	■	■	■	■	■	■	■
Hand building Large_	■	■		■		■	■	■		■		■	
Hand building Medium_	■	■	■	■	■	■	■	■	■	■	■	■	■
Hand building Small_	■	■	■	■	■	■	■	■	■	■	■	■	■

Clay Application Charts

South-Eastern Cone 10 Clays

	WC-910 Macabee...	WC-911 Marks...	WC-912 Norma's...	WC-913 Jepson's...	WC-914 Josh's...	WC-915 Karen's	WC-916 Nine Hundred...	WC-917 Sophie's...	WC-918 Tom's...	WC-953 Max's High Fire	EM-712 Max's Sclptr
Tableware_	■	■	■	■	■	■	■	■	■		
Ovenware_	■	■	■	■	■	■		■	■		
Wall Tile_	■	■	■	■	■	■	■	■	■	■	■
Floor Tile_	■	■	■	■	■	■	■	■	■		
Sanitaryware_	■		■								
Wind Chimes_	■	■	■	■	■	■	■	■	■		
Jewelry_	■	■	■	■	■	■	■	■	■		
Sculpture_	■		■	■	■	■	■	■	■	■	■
Jiggering_	■	■	■	■	■	■	■	■	■		
Raku Firing_											■
Crystal Firing_	■		■							■	
Modeling_	■	■	■	■	■	■	■	■	■		
Pressing_	■	■	■	■	■	■	■	■	■		
Throwing Large_	■	■	■	■	■	■	■	■	■	■	■
Throwing Medium_	■	■	■	■	■	■	■	■	■		■
Throwing Small_	■	■	■	■	■	■	■	■	■		
Hand building Large_	■	■	■	■	■	■	■	■	■	■	■
Hand building Medium_	■	■	■	■	■	■	■	■	■	■	■
Hand building Small_	■	■	■	■	■	■	■	■	■		

■ **Highly recommended**

■ **Recommended**

"Babu Porcelain Bowls" by Peggy Louden.

South-Eastern Cone 5 Clays

	WC-900 Autumn's	WC-901 Mac 5...	WC-902 Mary's...	WC-903 Rae's...	WC-904 Sybil's...	WC-905 Syb w/specs	WC-906 Elisabeth's...	WC-907 Liz w/specs	WC-908 Mike's...	WC-909 Bob's Sclptr	WC-951 Sybil's Paper Clay	WC-952 Bob's Paper
Tableware_	■	■	■	■	■	■	■	■	■		■	
Ovenware_	■			■	■	■	■	■	■		■	
Wall Tile_	■	■	■	■	■	■	■	■	■		■	■
Floor Tile_	■	■	■	■	■	■	■	■	■		■	
Sanitaryware_		■	■									
Wind Chimes_	■	■	■	■	■	■	■	■	■		■	
Jewelry_	■	■	■	■	■	■	■	■	■		■	
Sculpture_	■			■	■	■	■	■	■	■		■
Jiggering_	■	■	■	■	■	■	■	■	■			
Raku Firing_										■		
Crystal Firing_		■	■									
Modeling_	■	■	■	■	■	■	■	■	■			
Pressing_	■	■	■	■	■	■	■	■	■			
Throwing Large_	■	■	■	■	■	■	■	■	■	■	■	■
Throwing Medium_	■	■	■	■	■	■	■	■	■	■	■	
Throwing Small_	■	■	■	■	■	■	■	■	■		■	
Hand building Large_	■			■	■	■	■	■	■	■	■	■
Hand building Medium_	■	■	■	■	■	■	■	■	■	■	■	■
Hand building Small_	■	■	■	■	■	■	■	■	■		■	

South-Eastern Cone 06 Clays

	EM-700 Vince's...	EM-701 Vince w/grog	EM-702 Wade's...	EM-703 Wade w grog	EM-704 Carolyn's...	EM-705 Rojo Linda	EM-706 Sid's	EM-707 Stanley's	EM-708 Steve/Linda	EM-709 Nan Sclptr	EM-751 Talcless	EM-710 Elena Raku	EM-711 Sylvia Raku	EM-712 Max's Raku	EM-750 Wades Paper Clay
Tableware_															■
Ovenware_															
Wall Tile_	■	■	■	■	■	■	■	■	■	■	■				■
Floor Tile_															■
Sanitaryware_															■
Wind Chimes_															■
Jewelry_	■	■	■	■	■	■	■	■	■	■	■				■
Sculpture_	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Jiggering_	■	■	■	■	■	■	■	■	■	■	■				■
Raku Firing_												■	■	■	■
Crystal Firing_															■
Modeling_	■	■	■	■	■	■	■	■	■	■	■				■
Pressing_	■	■	■	■	■	■	■	■	■	■	■				■
Throwing Large_												■	■	■	■
Throwing Medium_	■	■	■	■	■	■	■	■	■	■	■				■
Throwing Small_	■	■	■	■	■	■	■	■	■	■	■				■
Hand building Large_												■	■	■	■
Hand building Medium_	■	■	■	■	■	■	■	■	■		■	■	■	■	■
Hand building Small_	■	■	■	■	■	■	■	■	■	■	■				■

"The Singer" by J. Alex Potter.
14"h x 15"w.
"My first project with Max's Paper Clay! I'm in love with it."
—J. Alex Potter

Western Stoneware and Porcelain

Cone 10 High Fire Clays (shown in reduction)

Most Cone 10 clays show excellent performance in a broad range of lower temperatures.

CERTIFIED NONTOXIC CONFORMS TO ASTM C-1023/D-4236

WC-953 Max's Paper Clay
Fires gray-stone-white in reduction at Cone 10, off-white at Cone 5 oxidation, and bright white at Cone 05 (Raku). Designed for large-scale, hand built sculpture and tile work where thick cross sections (up to 1") are anticipated or Raku firings.

WC-886 B-Mix with Grog Paper Clay
The plastic nature and glaze-friendly creamy color of B-Mix with Grog and all the benefits of Paper Clay. Use for hand building and wheel thrown pieces. Fires in a wide range of temperatures from Cone 04-10.

WC-370 Amador An outstanding, all-purpose, moist body. Has fine sand and is a difficult body to crack during firing. Durable and affordable. Good for professional or student.

Colors: O-Lt Orange/Brown, R-Orange/Brown
Pentrometer Target: 7.0 Texture: SC
Average Shrinkage: 12.0% Average H_20 Absorption: 1.3%

WC-371 Big Pot Coarse body designed specifically for use with large ware in mind. 20 to 50 mesh grog plus sand makes it ideal for tall thrown forms and hand construction.

Colors: O-Buff, R-Brown
Pentrometer Target: 7.0 Texture: C
Average Shrinkage: 10.0% Average H_20 Absorption: 2.0%

WC-372 Big Red A coarse, deep red/brown reduction clay that is lighter in oxidation. Throws well and can be used for hand construction. Same texture as Big Pot.

Colors: O-Lt Red/Brown, R-Red/Dk Brown
Pentrometer Target: 7.0 Texture: C
Average Shrinkage: 10.0% Average H_20 Absorption: 1.75%

WC-373 Dark Brown
A medium, coarse dark clay with 60 mesh sand. Good for various forming techniques.

Colors: O-Brown, R-Deep Brown
Pentrometer Target: 7.0 Texture: MC
Average Shrinkage: 12.0% Average H_20 Absorption: 0.9%

WC-376 L.B. Blend
This popular blend is an excellent, very fluid clay, for throwing open forms, small to large. The formula includes iron and 60 mesh sand.

Colors: O-Buff, R-Med Brown
Pentrometer Target: 7.0 Texture: MC
Average Shrinkage: 12.0% Average H_20 Absorption: 1.0%

WC-378 Maya Red
A medium red clay with 60 mesh sand. Various construction techniques are applicable.

Colors: O-Orange/Buff, R-Red/Brown
Pentrometer Target: 7.0 Texture: MC
Average Shrinkage: 12.0% Average H_20 Absorption: 1.0%

WC-379 B-Mix
A premier clay that is easy to throw and form. Excellent glaze results. Smooth porcelain-like texture.

Colors: O-Off White, R-Gray/White
Pentrometer Target: 7.0 Texture: S
Average Shrinkage: 13.0% Average H_20 Absorption: 1.2%

WC-380 B-Mix with Sand
The addition of 10% fine feldspathic sand allows for a body with texture and some speckling.

Colors: O-Off White, R-Gray/White
Pentrometer Target: 7.0 Texture: S
Average Shrinkage: 12.0% Average H_20 Absorption: 1.2%

"Prayer Bowl" by Peggy Loudon. Babu Porcelain, reduction-fired at Cone 10.

WC-381 Big White
Large throwing properties. 60 mesh sand and 20 x 50 mesh grog, allow for good strength. Also excellent for Raku.

Colors: O-Buff/White, R-Gray
Pentrometer Target: 7.0 Texture: C
Average Shrinkage: 10.0% Average H_20 Absorption: 2.7%

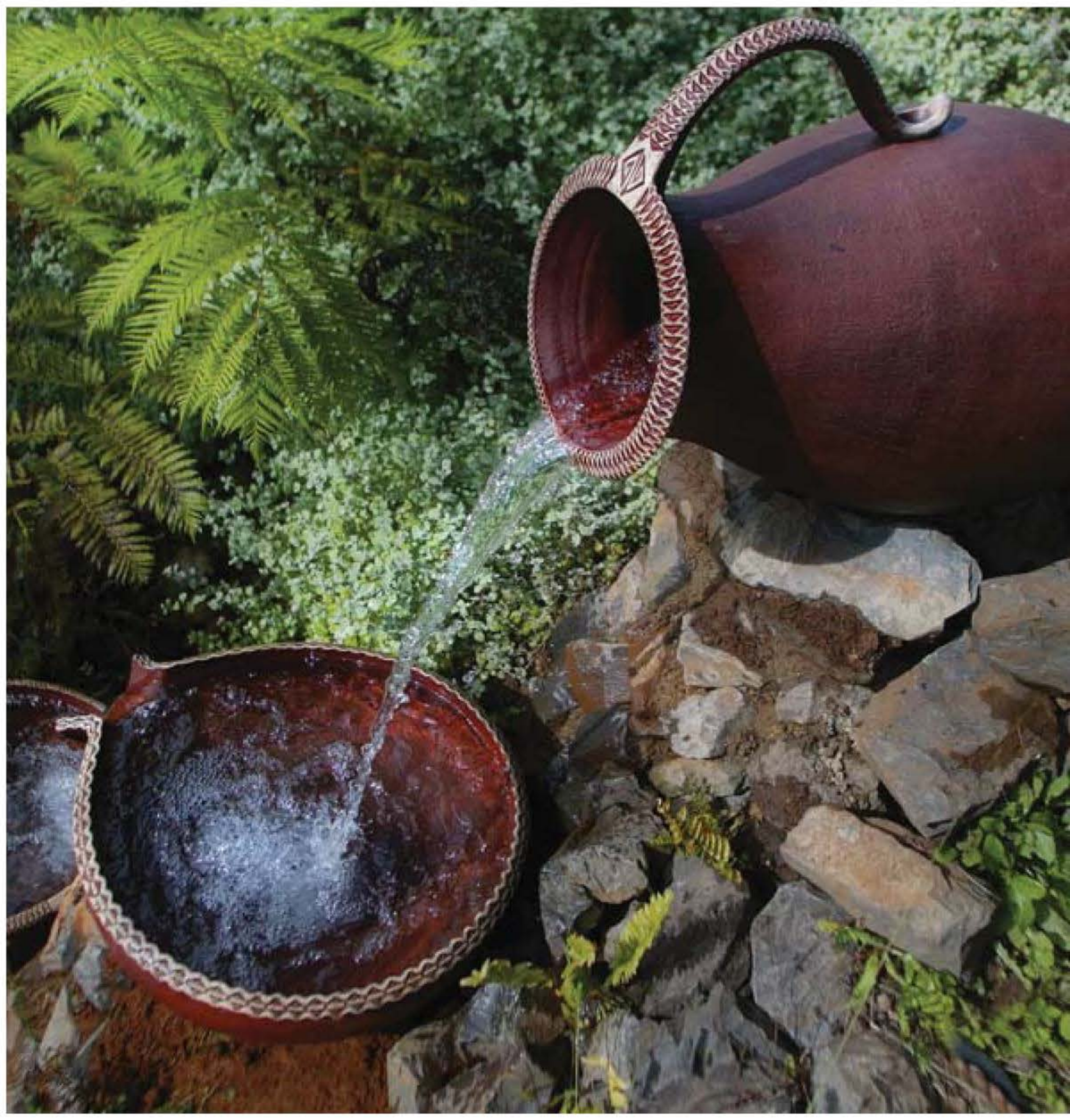
WC-382 Half & Half
Combines white stoneware and porcelain in equal proportions. The result is a very throwable white body. Made with fine sand.

Colors: O-Off White, R-Gray/White
Pentrometer Target: 7.0 Texture: SC
Average Shrinkage: 12.0% Average H_20 Absorption: 1.7%

Color Key: (O) Color in Oxidation (R) Color in Reduction
Pentrometer Targets: ±1/2 • Texture Key: (S) Smooth (SG) Slightly Coarse (MC) Medium Coarse (C) Coarse
Average Shrinkage: ±2% • Average H_2O Absorption: ±2%

"Laguna Clays are responsive, with a whole lot of tooth. They stand up to the task at hand. Great memory. Throws like butter with an attitude."
- Scott Semple

"False Reality" by Brandon Lutterman, University of Maine at Augusta Wicasset. Cone 10 B-Mix. Glazes made with Laguna raw materials and colorants.



"Water Feature" fountain by Scott Semple. WC-371 Big Pot, wheel thrown, fired to Cone 5, repeated stamp detail, dark iron wash, stain.

WC-384 Dave's Porcelain
An outstanding throwing body. Ideal for thin walls and larger pieces. Excellent for slab use and when a vitreous clay is desirable.

Colors: O-Off White, R-Lt Gray
Pentrometer Target: 7.0 Texture: S
Average Shrinkage: 13.0% Average H_20 Absorption 0.5%

WC-385 S Porcelain
Contains no ball clay for an outstanding, clean, semi-translucent body that is smooth and responsive. Avoid too much water while throwing.

Colors: O-White, R-Off White
Pentrometer Target: 7.0 Texture: S
Average Shrinkage: 13.0% Average H_20 Absorption 0.5%

WC-387 WS-10
Light gray with fine sand and some speckling in reduction. Slightly open body may not be suitable for functional ware under some conditions.

Colors: O-Off White, R-Lt Gray
Pentrometer Target: 7.0 Texture: SC
Average Shrinkage: 11.0% Average H_20 Absorption 1.5%

WC-389 WSO Interesting body with fine sand firing to Cone 10 and higher. Slightly open body may not be suitable for functional ware. Good for Raku at low temperature.

Colors: O-Off White, R-Gray/White
Pentrometer Target: 7.0 Texture: SC
Average Shrinkage: 10.0% Average H_20 Absorption 2.6%

WC-409 CA-2
All around stoneware with medium-to-fine grog. A blend of California and Missouri fire clays. Very plastic body.

Colors: O-Yellow/Orange, R-Orange/Brown
Pentrometer Target: 7.0 Texture: SC
Average Shrinkage: 12.75% Average H_20 Absorption 0.5%

WC-412 Stony White
White stoneware with a stony mottled look in reduction. Good throwing clay suitable for dinnerware.

Colors: O-White, R-Gray/White
Pentrometer Target: 7.0 Texture: SC
Average Shrinkage: 12.0% Average H_20 Absorption 1.5%

WC-415 English Porcelain
A Grolleg porcelain body with excellent throwing properties. Very translucent.

Colors: O-White, R-White
Pentrometer Target: 7.0 Texture: S
Average Shrinkage: 15.0% Average H_20 Absorption 0.5%

WC-428 Babu
A Grolleg porcelain. Very white in oxidation for beautiful dinnerware. A popular wheel throwing clay.

Colors: O-White, R-White
Pentrometer Target: 7.0 Texture: S
Average Shrinkage: 15.0% Average H_20 Absorption 0.5%

WC-427 HBCA
Excellent throwing stoneware with ideal plasticity. Combines the best qualities of California and Missouri fireclays. Slight speckling in reduction.

Colors: O-Yellow/Orange, R-Orange/Brown
Pentrometer Target: 7.0 Texture: SC
Average Shrinkage: 12.75% Average H_20 Absorption 0.5%

WC-431 LBW-70 A popular version of L.B. blend without any added iron and the smoothness of fine sand. Fires to a toasty golden color in reduction.

Colors: O-Buff, R-Lt Brown
Pentrometer Target: 7.0 Texture: SC
Average Shrinkage: 12.0% Average H_20 Absorption 1.0%

Western Stoneware and Porcelain *continued*

Cone 10 High Fire Clays (shown in reduction)

Most Cone 10 clays show excellent performance in a broad range of lower temperatures.

WC-631 #550 Made primarily of English Grolleg. Contains plasticizers to make this the finest translucent porcelain available for throwing, thin slab work and hand building. Excellent white color. A Northeast standard.

Colors: O-Lt White, R-Gray/White
Pentrometer Target: 7.0 Texture: S
Average Shrinkage: 14.75% Average H_20 Absorption: 0.3%

"White Chessmen" by Inge Roberts. Windsor Porcelain, Cone 10 oxidation.

WC-809 Soldate-30
High sand content which makes it an ideal choice for large thrown pieces and sculptural forms. A very coarse texture. Excellent for Raku.

Colors: O-Yellow/Buff, R-Yellow/Brown
Pentrometer Target: 7.0 Texture: C
Average Shrinkage: 13.5% Average H_20 Absorption: 2.4%

WC-811 JSRH
A coarse, red clay body containing both sand and grog. Good strength and plasticity for throwing medium-to-large pieces.

Colors: O-Yellow/Orange, R-Orange/Brown
Pentrometer Target: 7.0 Texture: C
Average Shrinkage: 13.0% Average H_20 Absorption: 2.1%

WC-835 Death Valley Red
Medium-coarse texture, reddish clay. Similar to Rod's Bod in throwing qualities. Fires to a dark brown with brown speckling. Good for small-to-medium pottery.

Colors: O-Orange-Red, R-Dark Red
Pentrometer Target: 7.0 Texture: MC
Average Shrinkage: 12.5% Average H20 Absorption: 0.8%

WC-838 Kai Porcelain
Strength and plasticity make this a good porcelain for wheel thrown forms. Can be used for small sculptural pieces.

Colors: O-White, R-Eggshell
Pentrometer Target: 7.0 Texture:MC
Average Shrinkage: 12.2% Average H_20 Absorption: .5%

WC-841 Danish White
Smooth textured, white stoneware body is a good choice for small-to-medium work. Exceptional strength and plasticity.

Colors: O-Off White, R-Grayish White
Pentrometer Target: 7.0 Texture: S
Average Shrinkage: 12.0% Average H_20 Absorption: 0.8%

WC-842 Danish White with Sand
Addition of sand adds greater strength for throwing larger pieces. The fired color is the same, but the texture is slightly coarse.

Colors: O-Off White, R-Gray/White
Pentrometer Target: 7.0 Texture: SC
Average Shrinkage: 11.8% Average H_20 Absorption: 1.0%

WC-843 Soldate-60
Same formula as Soldate-30, but contains finer 60 mesh sand. Medium-coarse texture.

Colors: O-Lt Yellow/Buff, R-Yellow/Brown
Pentrometer Target: 7.0 Texture: MC
Average Shrinkage: 13.5% Average H_20 Absorption: 1.75%

WC-872 Los Altos Blend
A slightly coarse clay containing 60 mesh sand. Excellent properties for all forming methods.

Colors: O-Yellow/Orange, R-Orange/Brown
Pentrometer Target: 7.0 Texture: MC
Average Shrinkage: 12.5% Average H_20 Absorption: 1.9%

WC-885 Granite
Gray with black specks resembling a stone. Excellent for small-to-medium wheel throwing and hand building.

Colors: O-Lt Gray w/Specks, R-Gray w/Specks
Pentrometer Target: 7.0 Texture: SC
Average Shrinkage: 11.8% Average H_20 Absorption: 1.4%

WC-886 B-Mix with Grog Paper Clay
The plastic nature and glaze-friendly, creamy color of B-Mix with Grog and added qualities of Paper Clay. Good for sculptural vessels. Great throwing qualities. Fires from Cone 04-10.

Colors: O-Off White, R-Gray/White
Pentrometer Target: 7.0 Texture: SC
Average Shrinkage: 12.0% Average H_20 Absorption: 1.7%

WC-891 Red B-Mix with Grog
A fine-to-medium-sized grog version of our popular Cone 10 B-Mix with the addition of red clay to achieve a warm brown color.

Colors: O-Orangy-Brown, R-Reddish-Brown
Pentrometer Target:6.75 Texture: SC
Average Shrinkage: 11% Average H_20 Absorption: 2.0%

WC-893 B-Mix with Grog
The substitution of a fine grog for the sand in B-Mix with Sand provides a smoother fired texture and less speckling.

Colors: O-Off White, R-Grey White
Pentrometer Target: 7.0 Texture: SC
Average Shrinkage: 10.3% Average H_20 Absorption: 1.0%

Color Key: (O) Color in Oxidation (R) Color in Reduction
Pentrometer Targets: ±1/2 • Texture Key: (S) Smooth (SG) Slightly Coarse (MC) Medium Coarse (C) Coarse
Average Shrinkage: ±2% • Average H_2O Absorption: ±2%

Western Stoneware and Porcelain *continued*

Cone 10 High Fire Clays

(shown in reduction)

WC-895 Refractory Body
Low expansion, coarse, high temperature body for refractory use. Best refractory quality when fired at Cone 13.

Colors: O-Buff, R-Brown
Pentrometer Target: 7.0 Texture: SC
Average Shrinkage: 5.0% Average H_20 Absorption: N/A

WC-896 Frost 10
An exceptionally white, translucent throwing porcelain for Cone 10.

Colors: O-White, R-White
Pentrometer Target: 6.75 Texture: S
Average Shrinkage: 14% Average H_20 Absorption: >1%

Tesselation-based form, "Flame Bowl" by Jennifer McCurdy. Jennifer has worked with WC-631 for more than thirty years. Photo by Gary Mirando.

WC-899 B-Mix Wood Specially formulated version of B-Mix for wood and salt firing. Takes salt and soda well and exhibits nice flashing characteristics in wood firings. Holds up well in Cone 12 atmospheric firings.

Colors: O-N/A, R-Various Flashing Colors
Pentrometer Target: 6.75 Texture: S
Average Shrinkage: 13% Average H_20 Absorption: >1%

WC-953 Max's Paper Clay Gray-stone-white in reduction at Cone 10, off-white at Cone 5 oxidation, bright white at Cone 05 (Raku). Designed for large-scale hand built sculpture and tile work where thick cross sections up to 1" are anticipated. Great for Raku.

Colors: O-Buff/White, R-Gray
Pentrometer Target: 7.0 Texture: C
Average Shrinkage: 10.0% Average H_20 Absorption: 2.7%

Western Stoneware and Porcelain

Cone 5 to Cone 6 Mid/High Fire Clays (shown in reduction)

Most Cone 5 and Cone 6 clays show excellent performance in a broad range of lower temperatures.

WC-365 Hawaiian Red 2 A red clay with excellent working properties for wheel throwing and hand building. Talc-free and contains sand, making it suitable for medium-sized forms.

Colors: O-Red/Brown, R-Off Red/Brown
Pentrometer Target: 6.75 Texture: SC
Average Shrinkage: 10.5% Average H_20 Absorption: 4.5%

WC-390 Laguna Red Sculpture
A medium-coarse textured clay that has a large amount of 60 mesh sand and medium grog.

Colors: O-Brick Red, R-Dark Brown
Pentrometer Target: 6.75 Texture: MC
Average Shrinkage: 9.0% Average H_20 Absorption:7.7%

WC-391 B-3 Brown A pliable clay with smooth grog and color from manganese and iron. Fires almost black in oxidation. Should not be fired in reduction.

Colors: O-Brown/Black, R-N/A
Pentrometer Target: 6.75 Texture: SC
Average Shrinkage: 10.0% Average H_20 Absorption:2.0%

WC-392 Buff Sculpture
Excellent coarse sculpture body with 60 mesh sand and 20 x 50 mesh grog. Nice range of firing colors. Low shrinkage.

Colors: O-Buff, R-Dark Tan
Pentrometer Target: 6.0 Texture: C
Average Shrinkage: 8.0% Average H_20 Absorption: 5.0%

WC-393 L.B. 6
Contains 60 mesh sand. Color provided by manganese dioxide.

Colors: O-Light Gray, R-Gray/Brown
Pentrometer Target: 6.75 Texture: MC
Average Shrinkage: 10.0% Average H_20 Absorption: 3.0%

WC-394 SB Red
Medium texture red body with sand and grog. Fires paver tile red in oxidation and chocolate in reduction.

Colors: O-Tile Red, R-Chocolate
Pentrometer Target: 6.75 Texture: SC
Average Shrinkage: 10.0% Average H_20 Absorption: 2.0%

Western Stoneware and Porcelain *continued*

Cone 5 to Cone 6 Mid/High Fire Clays (shown in reduction)

Most Cone 5 and Cone 6 clays show excellent performance in a broad range of lower temperatures.

WC-395 Porcelain Five
Smooth with very good throwing characteristics.Vitreous from Cone 3 to Cone 5. Excellent results with gas or electric firing. Should not be fired above Cone 5.

Colors: O-Off White, R-Gray
Pentrometer Target: 6.75 Texture: S
Average Shrinkage: 13.0% Average H_20 Absorption: 0.5%

WC-398 WS-4
Similar to WS-5, but with added flux for lower absorption. Good to Cone 8.

Colors: O-Buff/White, R-Gray/White
Pentrometer Target: 6.75 Texture: SC
Average Shrinkage: 10.0% Average H_20 Absorption: 5.0%

WC-400 Moroccan Sand Long-time favorite casting slip now available in a similar Cone 5 pugged body. Light beige fired in oxidation, body is quite vitreous, ideal for throwing functional ware.

Colors: O-Sand/Lt Brown, R-Brown
Pentrometer Target: 6.75 Texture: SC
Average Shrinkage: 12.0% Average H_20 Absorption: 1.0%

WC-402 Half & Half-5 The Cone 5 answer to Laguna's well-liked Cone 10 Half & Half. By combining equal amounts of white stoneware and porcelain, a very throwable white body.

Colors: O-White, R-Off White
Pentrometer Target: 6.75 Texture: SC
Average Shrinkage: 12.0% Average H_20 Absorption: 0.5%

WC-404 Santa Fe Specifically formulated by request from Midwest and Eastern U.S. potters. Similar to WC-403 except contains more grog and fires to a slightly different color.

Colors: O-Golden Tan, R-Brown
Pentrometer Target: 6.75 Texture: SC
Average Shrinkage: 12.0% Average H_20 Absorption: 5.0%

WC-423 Greystone Very versatile Cone 5 to 7, functional, stoneware body. Smooth textured clay is well suited for classroom ceramics involving hand building and throwing.

Colors: O-Lt Gray/White, R-Tan/Gray
Pentrometer Target: 6.75 Texture: SC
Average Shrinkage: 12.5% Average H_20 Absorption: 2.5%

WC-436 B-Mix 5 with Grog
A fine grog makes for a more forgiving body with a slight texture and minimal speckling.

Colors: O-Off White, R-Gray/White
Pentrometer Target: 6.75 Texture: SC
Average Shrinkage: 11.0% Average H_20 Absorption: 2.75%

WC-397 WS-5 A gray/white body with fine sand. Fires a textured gray/white in reduction, buff/white mottled surface in oxidation. Take care when used for functional ware, not totally vitrified in most Cone 5 firings. Can be used to Cone 10.

Colors: O-Buff/White, R-Gray/White
Pentrometer Target: 6.75 Texture: SC
Average Shrinkage: 10.0% Average H_20 Absorption: 6.0%

WC-399 MR-5
Similar to Maya Red, lightly textured and contains 60 mesh sand, red clay and iron. Known for consistent firing.

Colors: O-Buff, R-Red/Brown
Pentrometer Target: 6.75 Texture: SC
Average Shrinkage: 10.0% Average H_20 Absorption: 2.0%

WC-401 B-Mix 5
B-Mix 5 offers the same characteristics enjoyed by our Cone 10 B-Mix. Smooth, porcelain-like texture is a pleasure to throw and form.

Colors: O-Cream, R-Off White
Pentrometer Target: 6.75 Texture: S
Average Shrinkage: 12.0% Average H_20 Absorption: 2.3%

WC-403 Speckled Buff Specifically formulated by request from Midwest and Eastern U.S. potters. Low in sand and grog, thus smooth in texture. Excellent throwing body. Color pallet is desert or Southwest.

Colors: O-Buff w/Specks, R-Brown w/Specks
Pentrometer Target: 6.75 Texture: SC
Average Shrinkage: 12.0% Average H_20 Absorption: 3.0%

WC-420 Redstone Red stoneware body with fine grog and minimal porosity at Cone 6. Superior functional clay, ideal for hand building and throwing small-to-medium pieces.

Colors: O-Red/Brown, R-Do not fire in reduction
Pentrometer Target: 6.75 Texture: SC
Average Shrinkage: 10.5% Average H_20 Absorption: 0.5%

WC-429 RSMC
Medium-smooth textured, red Cone 5 stoneware body with very low porosity. Excellent for functional ware.

Colors: O-Red/Orang, R-N/A
Pentrometer Target: 6.75 Texture: SC
Average Shrinkage: 12.0% Average H_20 Absorption: 0.5%

WC-437 Cone 6 Frost
An exceptionally white, translucent throwing porcelain for Cone 5 to 6.

Colors: O-White, R-White
Pentrometer Target: 6.75 Texture: S
Average Shrinkage: 11.0% Average H_20 Absorption: >1%

Color Key: (O) Color in Oxidation (R) Color in Reduction
Pentrometer Targets: ±1/2 • Texture Key: (S) Smooth (SG) Slightly Coarse (MC) Medium Coarse (C) Coarse
Average Shrinkage: ±2% • Average H_2O Absorption: ±2%

WC-438 Red B Mix with Grog Cone 5
Fine-sized grog version of Cone 5 B-Mix. Addition of red clay achieves warm orange-brown. Very forgiving during drying. Good for forming larger objects.

Colors: O-Orangy-Brown, R-Reddish-Brown
Pentrometer Target: 6.75 Texture: SC
Average Shrinkage: 9% Average H_20 Absorption: 4%

WC-617 #16 Grolleg Cone 6 porcelain. Similar to #15 with more ball clay, less white, more plastic and forgiving. Additional silica reduces crazing in some glazes. Good for slab forming.

Colors: O-White, R-N/A
Pentrometer Target: 7.0 Texture: S
Average Shrinkage: 13.9% Average H_20 Absorption: 0.12%

WC-850 52 Buff with Sand Addition of sand increases strength and workability, making it a better choice for medium-size pieces. Medium texture. Fired color is same as 52 Buff.

Colors: O-Buff, R-Yellow/Brown
Pentrometer Target: 6.75 Texture: SC
Average Shrinkage: 9.0% Average H_20 Absorption: 3.5%

WC-851 52 Buff
A smooth clay good for general purpose, such as small thrown pieces and hand building.

Colors: O-Buff, R-Yellow/Brown
Pentrometer Target: 6.75 Texture: S
Average Shrinkage: 10.0% Average H_20 Absorption: 3.5%

WC-861 Hagi Porcelain
A traditional Cone 5, smooth-textured, porcelain clay for throwing small pieces and hand building.

Colors: O-White, R-Off White
Pentrometer Target: 6.75 Texture: S
Average Shrinkage: 8.5% Average H_20 Absorption: 0.5%

WC-864 Weststone 2 Good, general purpose light red body with medium-to-coarse texture. Has good strength for both wheel throwing and hand building.

Colors: O-Yellow/Brown, R-Warm Brown
Pentrometer Target: 6.75 Texture: MC
Average Shrinkage: 12.1% Average H_20 Absorption: 2.2%

WC-866 Electric Brown Designed specifically to achieve a rich brown color when fired in an electric kiln. Good strength for wheel throwing and hand building. Slightly coarse texture with 60 mesh sand. Reduction firing is not recommended.
Colors: O-Warm Brown, R-N/A
Pentrometer Target: 6.75 Texture: SC
Average Shrinkage: 12.5% Average H_20 Absorption: 0.5%

0WC-871 Calico A Cone 5 version of Rod's Bod. General purpose works well for all forming methods. Specks generally bleed into glazes. 60 mesh sand gives a medium texture.

Colors: O-Gray/Buff, R-Gray/Tan
Pentrometer Target: 6.75 Texture: MC
Average Shrinkage: 13.0% Average H_20 Absorption: 3.5%

Vase by Simeone Novello. WC-893 B-Mix with Grog, Black Engobe F3794, Ferro Stain and Cobalt Oxide, Red Engobe V6 HT51, Clear Glaze. Gas-fired at Cone 10.

"As a local artist, living in the San Gabriel Valley, what could be better than having the reputable Laguna Clay Company right in your backyard. Laguna Clay consistently provides all the materials for a creative mind in the world of clay. Can't beat the prices or the quality."
—Simeone Novello

Yoshiro Ikeda uses WC-843 Soldate-60 for his handbuilt sculptures, which he fires multiple times at low temperature range Soldate-60 provides strength and durability to endure the stress of numerous glaze firings.

WC-877 Dover White Cone 5 white stoneware body excellent for medium-size pieces and dinnerware. Addition of sand gives a great deal of strength to this plastic body.

Colors: O-Off White, R-Gray/White
Pentrometer Target: 6.75 Texture: SC
Average Shrinkage: 11.0% Average H_20 Absorption: 3.5%

WC-881 Red Calico
A rich red version of Calico without extra specks.

Colors: O-Red Brick, R-Dark Red/Brown
Pentrometer Target: 6.75 Texture: MC
Average Shrinkage: 11.0% Average H_20 Absorption: 4.0%

WC-952 Bob's Tile & Sculpture Paper Clay
Medium-coarse. Excellent throwing characteristics. Paper content requires reduced water usage while throwing to retain forming advantages. Highly grogged, resistant to cracking and warping, superior sculptural use. Cone 04 to 6.

Colors: O-Off White, R-Lt Gray
Pentrometer Target: 7.0 Texture: S
Average Shrinkage: 13.0% Average H_20 Absorption: 0.5%

Western Clay Bodies

Cone 06 Low Fire Clays

Most Cone 06 clays show excellent performance in a broad range of lower temperatures.

EM-207 Red
Comparable in texture and working properties to EM-210, but fires to a reddish earthenware color. Often used for terra cotta work.

Colors: O-Orange/Red, R-N/A
Pentrometer Target: 6.00 Texture: S
Average Shrinkage: 6.0% Average H_20 Absorption: 16.0%

EM-210 White All purpose, smooth modeling clay. Excellent for beginning techniques such as coil and slab building. Great for throwing. White color makes it ideal for use with low fire glazes.

Colors: O-White, R-N/A
Pentrometer Target: 6.0 Texture: S
Average Shrinkage: 6.0% Average H_20 Absorption: 9.0%

EM-212 White w/Sand
Similar to EM-210, but with the addition of 60 mesh sand to add strength for larger forms.

Colors: O-White, R-N/A
Pentrometer Target: 6.0 Texture: SC
Average Shrinkage: 5.5% Average H_20 Absorption: 17.0%

EM-215 Terra Cotta Sculpture This coarse, sandy red clay was specifically formulated for sculpture work. Excellent for throwing on the wheel. Exceptional strength.

Colors: O-Orange/Red, R-N/A
Pentrometer Target: 6.0 Texture: SC
Average Shrinkage: 6.0% Average H_20 Absorption: 17.0%

Lidded vessel by Jerry Rhodes. 11.5"h x 11"w. Soldate-60 Clay, wheel thrown and handbuilt stoneware, bisque fired to Cone 05, Raku-fired with glass inserts, a copper glaze, and 'naked Raku' technique.

EM-214 Buff with Sand Buff-colored modeling clay with sand makes it one of the best low fire clays for working on the potter's wheel. Stronger for larger sculptural pieces.

Colors: O-Buff/White, R-N/A
Pentrometer Target: 6.0 Texture: C
Average Shrinkage: 6.0% Average H_20 Absorption: 17.0%

EM-234 Red Sculpture Cone 06, red sculpture body for large pieces where variation in wall thickness is a concern. Ideal for hand building, murals, decorative columns, tile, etc. Minimal warping, shrinkage, and cracking.

Colors: O-Red/Brown, R-N/A
Pentrometer Target: 6.0 Texture: C
Average Shrinkage: 4.0% Average H_20 Absorption: 22.0%

EM-330 Laguna 06 White
White clay that is pugged soft. Basic talc body is very smooth off-white when fired in oxidation.

Colors: O-White, R-N/A
Pentrometer Target: 6.0 Texture: S
Average Shrinkage: 6.0% Average H_20 Absorption: 16.0%

EM-334 Wards 06 Red
A smooth, pliable red clay which fires to a light brick red in oxidation. Do not fire in reduction.

Colors: O-Red Brick, R-N/A
Pentrometer Target: 6.0 Texture: S
Average Shrinkage: 6.0% Average H_20 Absorption: 16.0%

EM-338 Red DE
A smooth clay with many uses.
Very workable for a low fire red clay.

Colors: O-Medium Red, R-N/A
Pentrometer Target: 6.0 Texture: S
Average Shrinkage: 5.0% Average H_20 Absorption:17.0%

EM-342 Whiteware
Low fire, white earthenware body with good throwing qualities. Fires very strong and white.

Colors: O-White, R-N/A
Pentrometer Target: 6.0 Texture: SC
Average Shrinkage: 6.0% Average H_20 Absorption: 17.0%

EM-344 R-2 Red with Grog Fine-to-medium grog added makes this low fire red body well-suited for hand building, throwing or sculpting small-to-medium size pieces.

Colors: O-Red, R-N/A
Pentrometer Target: 6.0 Texture: SC
Average Shrinkage: 5.0% Average H_20 Absorption: 10.0%

Color Key: (O) Color in Oxidation (R) Color in Reduction
Pentrometer Targets: ±1/2 • Texture Key: (S) Smooth (SG) Slightly Coarse (MC) Medium Coarse (C) Coarse
Average Shrinkage: ±2% • Average H_2O Absorption: ±2%

Western Clay Bodies *continued*

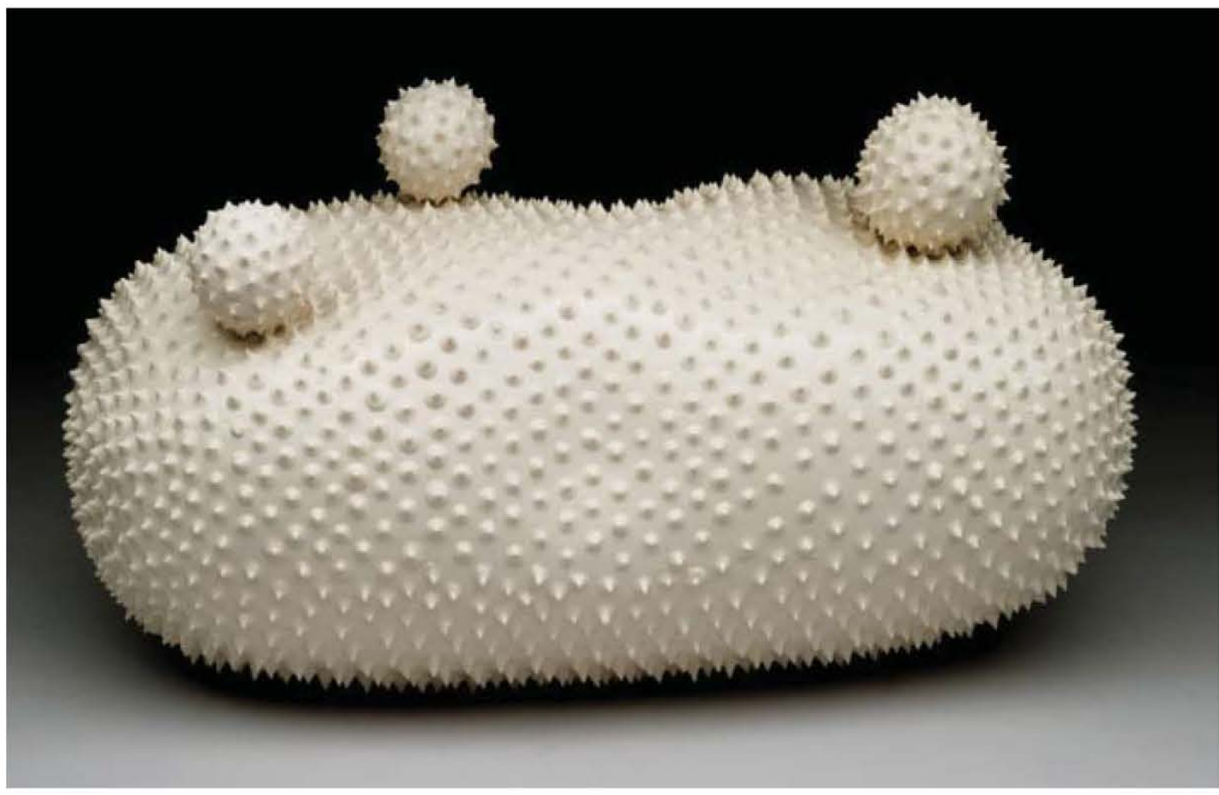
Cone 06 Low Fire Clays

EM-347 Whiteware with Grog
Same clay as Whiteware with fine grog added. A favorite in the classroom and excellent for hand building and wheel work.

Colors: O-White, R-N/A
Pentrometer Target: 6.0 Texture: SC
Average Shrinkage: 5.0% Average H_20 Absorption: 17.0%

EM-348 #8 Pressing Modified version of EM-335. Contains an additional mineral which enhances the ability of clay to release organic gasses during firing, reducing pinholing for better results in production pressing or extruding.

Colors: O-Lt White, R-N/A
Pentrometer Target: 5.25 Texture: S
Average Shrinkage: 5.0% Average H_20 Absorption: 15.0%



"Milieu" by Amy Chase. Laguna White underglaze, fired to Cone 04 oxidation.

Western Raku Clay Bodies

Cone 06 Low Fire Clays

(shown in oxidation)

CERTIFIED NONTOXIC CONFORMS TO ASTM C-1023/D-4236

EM-345 Raku-K White
Medium-to-fine texture, excellent throwing Raku clay reinforced with Kyanite for exceptional resistance to thermal shock.

Colors: O-Off White, R-N/A
Pentrometer Target: 6.0 Texture: SC
Average Shrinkage: 5.0% Average H_20 Absorption: 17.0%

WC-548 Raku Throwing Formulated to withstand the thermal shock of Raku firing. Heavy sand content yields a coarse texture. Suited for hand building and wheel throwing.

Colors: O-Buff, R-N/A
Pentrometer Target: 7.0 Texture: C
Average Shrinkage: 6.0% Average H_20 Absorption: 16.0%

WC-549 Raku Industrial
Specially formulated for Cone 06 reduction. Very plastic, medium-textured, and engineered to provide optimum resistance to thermal shock for small or large products.

Colors: O-Light Tan, R-N/A
Pentrometer Target: 7.0 Texture: SC
Average Shrinkage: 6.0% Average H_20 Absorption: 12.0%

Luster Raku bottle by Nancy Pene.
WC-397, freehand glaze application using 80% 1970's era Gerstley Borate (currently stocked at Laguna), 20% potash feldspar, copper, post-fire reduction Raku-fired at 1800° F.

Northeastern Stoneware and Porcelain

Cone 10 High Fire Clays

Most Cone 10 clays show excellent performance in a broad range of lower temperatures.

WC-379 B-Mix
A premier, creamy-white throwing clay that is easy to throw and form. Smooth porcelain texture.

Colors: O-Off White, R-Gray/White
Pentrometer Target: 7.5 Texture: S
Average Shrinkage: 13.0% Average H_20 Absorption: 1.0%

WC-380 B-Mix with Sand
The addition of 10% fine feldspathic sand allows for a body with texture and some speckling.

Colors: O-Off White, R-Gray/White
Pentrometer Target: 7.0 Texture: S
Average Shrinkage: 12.0% Average H_20 Absorption: 1.2%

WC-618 #510
A very popular white stoneware. Very plastic, smooth throwing clay with superior hand building and slab properties. Contains fine grog.

Colors: O-White, R-Lt Gray
Pentrometer Target: 7.0 Texture: S
Average Shrinkage: 13.0% Average H_20 Absorption: 1.0%

WC-631 #550 Made primarily of English Grolleg. Plasticizers make this the finest translucent porcelain available for throwing, thin slab work and hand building. Excellent white color. The standard in Northeast U.S.

Colors: O-Lt White, R-Gray/White
Pentrometer Target: 7.0 Texture: S
Average Shrinkage: 14.75% Average H_20 Absorption: 0.3%

WC-633 #570
Grolleg porcelain. Similar to #550. A well accepted standard. Can be fired a little hotter than #550.

Colors: O-Lt White, R-Gray/White
Pentrometer Target: 7.0 Texture: S
Average Shrinkage: 14.7% Average H_20 Absorption: 0.6%

WC-627 #850
An off-white, typical light stoneware throwing clay. Medium texture for good tooth. Contains fire clay, no additional color.

Colors: O-Off White, R-Gray
Pentrometer Target: 7.0 Texture: S
Average Shrinkage: 14.5% Average H_20 Absorption: 0.31%

WC-628 #900 Considered by many to be the best clay for production pottery. Ideal for those who sgraffito and wax resist wantng a finer texture to minimize picking. Great for planters, etc.

Colors: O-Buff, R-Orange/Brown
Pentrometer Target: 7.0 Texture: SC
Average Shrinkage: 12.7% Average H_20 Absorption: 0.6%

WC-643 #901
A modification of #900. Fine sand is added to maximize stability in firing and drying.

Colors: O-Buff, R-Orange/Brown
Pentrometer Target: 7.0 Texture: MC
Average Shrinkage: 12.7% Average H_20 Absorption: 0.6%

Maple Leaf Service Plates by Bill Reddick for Rideau Hall are shown here set at a special luncheon for President Obama and Prime Minister Harper in Ottawa, Canada, February 19, 2009. Since 2005, Bill has used his own custom blend porcelain mixed by Matt Morris at the Laguna Byesville, Ohio location.

Color Key: (O) Color in Oxidation (R) Color in Reduction
Pentrometer Targets: ±1/2 • Texture Key: (S) Smooth (SG) Slightly Coarse (MC) Medium Coarse (C) Coarse
Average Shrinkage: ±2% • Average H_2O Absorption: ±2%

Northeastern Stoneware and Porcelain

Cone 10 High Fire Clays *continued*

Most Cone 10 clays show excellent performance in a broad range of lower temperatures.

WC-629 #910 Low sulfur body less prone to bloating than most clays in Cone 10 reduction firings. You will appreciate minimal sulfur odor. Warm toast color in reduction. Similar properties to #900.

Colors: O-Buff, R-Orange/Brown
Pentrometer Target: 7.0 Texture: SC
Average Shrinkage: 12.4% Average H_20 Absorption: 0.55%

WC-637 #1050 A fire clay/ball clay/grog body used for many years by sculptors in the Southeast. Large sculptures are possible. Large slabs and pots are a snap.

Colors: O-Off Buff, R-Orange
Pentrometer Target: 7.0 Texture: MC
Average Shrinkage: 10.2% Average H_20 Absorption: 2.2%

WC-896 Frost 10
An exceptionally white, translucent throwing porcelain for Cone 10.

Colors: O-White, R-Off-White
Pentrometer Target: 7.0 Texture: S
Average Shrinkage: 14% Average H_20 Absorption: 1%

WC-630 #950
Formulated for large, hand thrown pots. Very textured. Similar in texture to the West Coast sand bodies. Very plastic.

Colors: O-Buff, R-Lt Orange/Brown
Pentrometer Target: 7.0 Texture: MC
Average Shrinkage: 12.0% Average H_20 Absorption: 2.1%

WC-893 B-Mix with Grog
The substitution of a fine grog for the sand in B-Mix with Sand provides a smoother fired texture and less speckling.

Colors: O-Off White, R-Grey White
Pentrometer Target: 7.0 Texture: SC
Average Shrinkage: 10.3% Average H_20 Absorption: 1.0%

WC-899 B-Mix Wood Specially formulated version of B-Mix for wood and salt firing. Takes salt and soda well. Exhibits nice flashing characteristics in wood firings. Holds up well in Cone 12 atmospheric firings.

Colors: O-N/A, R- Various Flashing Colors
Pentrometer Target: 7.0 Texture: S
Average Shrinkage: Average H_20 Absorption:

Northeastern Stoneware and Porcelain

Cone 5 to Cone 6 Mid/High Fire Clays

Most Cone 5 and Cone 6 clays show excellent performance in a broad range of lower temperatures.

WC-401 B-Mix 5
Same characteristics enjoyed by our Cone 10 B-Mix. Smooth, porcelain texture is a pleasure to throw and form.

Colors: O-Lt Cream, R-N/A
Pentrometer Target: 7.5 Texture: S
Average Shrinkage: 12.0% Average H_20 Absorption: 2.75%

WC-436 B-Mix 5 with Grog
A fine grog makes for a more forgiving body with a slight texture and minimal speckling.

Colors: O-Off White, R-Gray/White
Pentrometer Target: 7.0 Texture: SC
Average Shrinkage: 11.0% Average H_20 Absorption: 2.75%

WC-601 #30 Terra cotta. A medium texture, plastic red body. Compounded with fireclay and medium grog. Ideal for large sculptures and hand built work, may be thrown on the wheel.

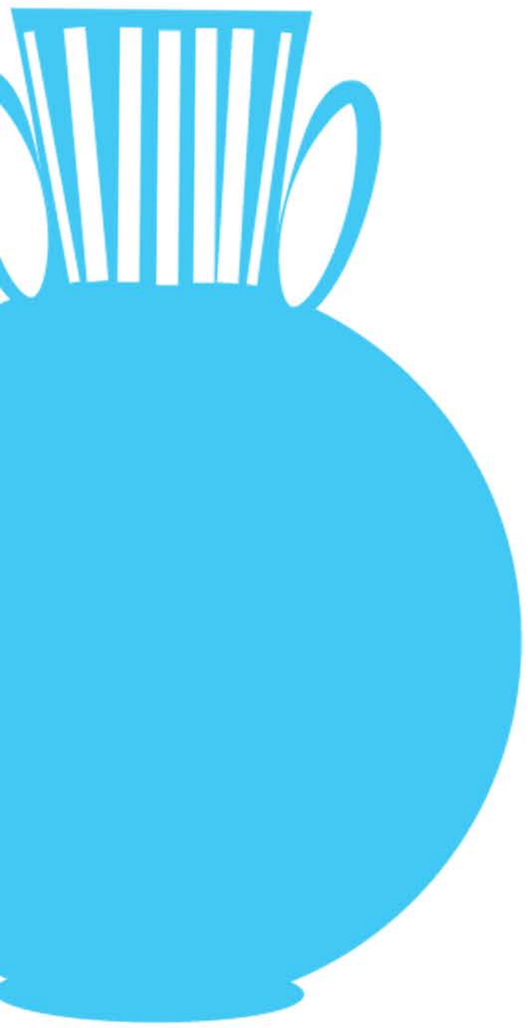
Colors: O-Terra Cotta, R-N/A
Pentrometer Target: 7.0 Texture: MC
Average Shrinkage: 11.0% Average H_20 Absorption: 2.9%

WC-603 #45 Buff stoneware for the production potter. Excellent throwing properties. Works well in hand building and slab work. Fires slightly lighter than #40 Buff.

Colors: O-Buff, R-N/A
Pentrometer Target: 7.0 Texture: SC
Average Shrinkage: 11.6% Average H_20 Absorption: 2.9%

WC-607 #55 Excellent off-white stoneware clay for wheel work. Minor speckling caused by fireclay enhances appearance. Used for functional pottery. Neutral glazes are not altered by ingredients, allowing a purer glaze color.

Colors: O-Light Buff, R-N/A
Pentrometer Target: 7.0 Texture: S-Fire Clay
Average Shrinkage: 10.8% Average H_20 Absorption: 1.9%



WC-403 Speckled Buff Low in sand and grog content, thus smooth in texture. Excellent throwing body. Color pallet is best described as “desert” or “Southwest.”

Colors: O-Buff w/Specks, R-Brown w/Specks
Pentrometer Target: 6.75 Texture: SC
Average Shrinkage: 12.0% Average H_20 Absorption: 3.0%

WC-437 Cone 6 Frost
The whitest, most translucent porcelain we make. Great throwing characteristics.

Colors: O-White
Pentrometer Target: 7.0 Texture: S
Average Shrinkage: 13.0% Average H_20 Absorption: 0.5%

WC-602 #40
Dark buff firing clay. Versatile, medium texture throwing body.

Colors: O-Darker Buff, R-N/A
Pentrometer Target: 7.0 Texture: S-Fire Clay
Average Shrinkage: 11.9% Average H_20 Absorption: 2.87%

WC-606 #50 Stoneware favorite. Light sand color with fine specks. Excellent Cone 6 firing enhances glaze colors and effects. There is no better all around throwing body available for the stoneware look. Fine speckling shows through glazes enhancing the piece.

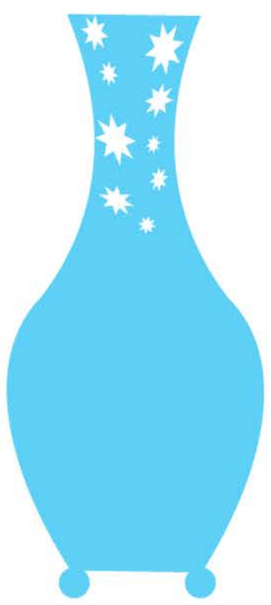
Colors: O-Speckled Tan, R-N/A
Pentrometer Target: 7.0 Texture: S-Fire Clay
Average Shrinkage: 12.0% Average H_20 Absorption: 2.93%

WC-608 #60 Compounded to be a stoneware clay with specks that bleed through giving the appearance of iron burning through, typical of reduction glazes and clays. Popular throwing clay for production potters who want to add a speck dimension to their wares.

Colors: O-Speckled Tan R-N/A
Pentrometer Target: 7.0 Texture: SC
Average Shrinkage: 10.9% Average H_20 Absorption: 1.7%

WC-609 #65
Smooth white stoneware, good for throwing and production of functional whiteware.

Colors: O-Off White, R-N/A
Pentrometer Target: 7.0 Texture: SC
Average Shrinkage: 13.0% Average H_20 Absorption: 1.0%

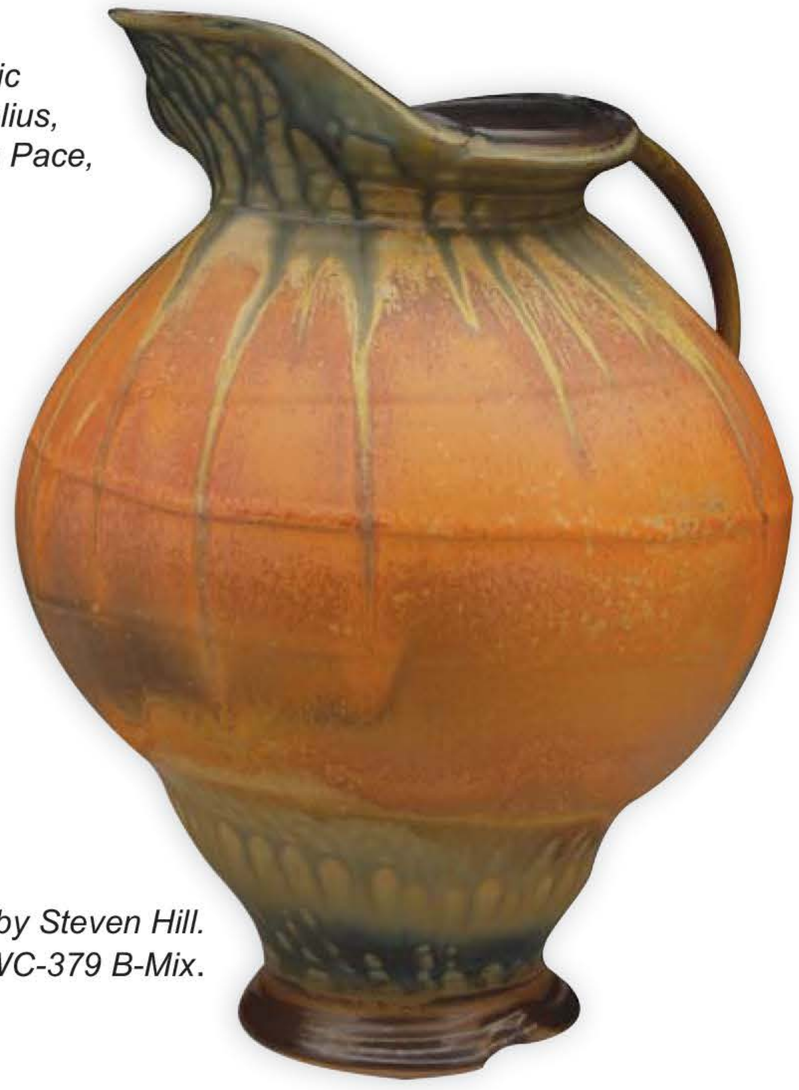


"Arizona Poppy" by Steven Fitch.
22" x 18" x 14". B-Mix with sand.

"Desertscape" by Alvin Pace. 15'l x 21"h x 18"w. Made with Rod's Bod.

"Pair of Pears" by Ted Wolter. 12'l x 21"h x 18"w.
Bench detail made with Laguna B-Mix with sand.

"Arizona Poppy," "Pair of Pears,"
and "Desertscape" are all part of a public project in Chandler, Arizona. Sue Berzelius, Kathleen Escobedo, Steven Fitch, Alvin Pace, and Ted Wolter comprise the group, "Five on Tile."



Pitcher by Steven Hill.
Made with WC-379 B-Mix.

WC-610 #66
Same as #65, but includes sand, making it quite desirable for tile, slabs and hand building.

Colors: O-Off White, R-N/A
Pentrometer Target: 7.0 Texture: SC
Average Shrinkage: 12.5% Average H_20 Absorption: 1.5%

WC-611 #70
A very plastic throwing clay, dark in color, featuring heavy specking. Creates excellent glaze effects with dark gray color and specks.

Colors: O-Brown w Specs, R-N/A
Pentrometer Target: 7.0 Texture: SC
Average Shrinkage: 12.5% Average H_20 Absorption: 1.37%

WC-612 #75
A good wheel and hand building clay body, dark in fired color at Cone 6. Iron colorants in body enhance most glaze color developments.

Colors: O-Brown, R-N/A
Pentrometer Target: 7.0 Texture: S
Average Shrinkage: 14.0% Average H_20 Absorption: 0.5%

WC-613 #80
Similar to #40, but fires to red/brown in oxidation, very plastic for throwing.

Colors: O-Red Brown, R-N/A
Pentrometer Target: 7.0 Texture: S
Average Shrinkage: 14.0% Average H_20 Absorption: 0.5%

WC-614 #90 Formulated with fine grog and Red Art to obtain rich dark color. Good for outdoor pots as well as functional pottery and sculpture when fired to Cone 6.

Colors: O-Red Brown, R-N/A
Pentrometer Target: 7.0 Texture: SC
Average Shrinkage: 13.0% Average H_20 Absorption: 0.9%

WC-616 #15
Translucent porcelain. An excellent Grolleg body for throwing thin pieces.

Colors: O-White, R-N/A
Pentrometer Target: 7.0 Texture: S
Average Shrinkage: 14.9% Average H_20 Absorption: 0.9%

WC-617 #16 Grolleg Cone 6 porcelain. Similar to #15 with some ball clay, making it less white, more plastic and forgiving. Additional silica reduces crazing on most glazes. Good for slab forming.

Colors: O-White, R-N/A
Pentrometer Target: 7.0 Texture: S
Average Shrinkage: 13.9% Average H_20 Absorption: 0.12%

Northeastern Clay Bodies

Cone 06

Most Cone 06 clays show excellent performance in a broad range of lower temperatures.

EM-100 #10
Smooth, plastic, talc-free white firing clay, suitable for throwing and sculpture. Ideal for beginners and schools. Most low fire commercial glazes fit this body.

Colors: O-White, R-N/A
Pentrometer Target: 7.0 Texture: S
Average Shrinkage: 8.0% Average H_20 Absorption: 11.5%

EM-101 #10-G
Has the same properties as #10, but with medium grog added for larger thrown and sculpture pieces.

Colors: O-White, R-N/A
Pentrometer Target: 7.0 Texture: MC
Average Shrinkage: 7.8% Average H_20 Absorption: 11.5%

EM-102 #10-NW Similar to Newton Potter's clay. Higher in talc, less plastic. Very satisfactory for all methods. Excellent for smooth Raku. Commercial glazes fit this body. Whiter firing than #10-T.

Colors: O-White, R-N/A
Pentrometer Target: 7.0 Texture: S
Average Shrinkage: 8.4% Average H_20 Absorption: 11.0%

EM-103 #10-T Smooth and plastic with a small percentage of talc for optimum glaze fit. Popular with production potters. Excellent for hand building. Forgiving nature makes it a good choice for many teachers.

Colors: O-White, R-N/A
Pentrometer Target: 7.0 Texture: S
Average Shrinkage: 11.1% Average H_20 Absorption: 8.2%

EM-104 #10-VW Very white, low fire earthenware clay suitable for all methods of forming. Bisque at Cone 04-05. Glaze at Cone 06. Fits most commercial glazes well.

Colors: O-Very White, R-N/A
Pentrometer Target: 7.0 Texture: S
Average Shrinkage: 8.0% Average H_20 Absorption: 11.2%

EM-105 #12
Low fire, plastic talc body. Fires buff in oxidation. Very good for hand building and throwing. Popular with teachers and schools.

Colors: O-Buff, R-N/A
Pentrometer Target: 7.0 Texture: S
Average Shrinkage: 7.0% Average H_20 Absorption: 12.0%

EM-106 #20
Smooth, plastic, terra cotta-colored clay for wheel throwing. Excellent for hand building. Fires to rich terra cotta red.

Colors: O-Terra Cotta, R-N/A
Pentrometer Target: 7.0 Texture: S
Average Shrinkage: 8.5% Average H_20 Absorption: 11.0%

EM-107 #20-G
The same properties as #20 with a fine grog added for slightly less shrinkage and improved workability.

Colors: O-Terra Cotta, R-N/A
Pentrometer Target: 7.0 Texture: MC
Average Shrinkage: 8.0% Average H_20 Absorption: 11.5%

EM-109 #26
Low fire terra cotta sculpture body containing grog and sand. Great for tiles. Excellent for outdoor applications when fired to Cone 1.

Colors: O-Terra Cotta, R-N/A
Pentrometer Target: 7.0 Texture: C
Average Shrinkage: 8.5% Average H_20 Absorption: 5.0%

Northeastern Raku Clay Bodies

(shown in oxidation)

Cone 06 Low Fire Clays

Teapot by John Serrano.
WC-391 B3 Brown, WC-401 B-Mix 5, fired in oxidation to Cone 6.

WC-635 #200
Heavily grogged Raku clay formulated to resist thermal shock. Works well under the toughest conditions.

Colors: W-Tan Gray, O-Buff, R-N/A
Pentrometer Target: 7.0 Texture: C

WC-636 #250
A smoother Raku body than #200.

Colors: W-Tan/Gray, O-Buff, R-N/A
Pentrometer Target: 7.0 Texture: MC

Color Key: (O) Color in Oxidation (R) Color in Reduction
Pentrometer Targets: ±1/2 • Texture Key: (S) Smooth (SG) Slightly Coarse (MC) Medium Coarse (C) Coarse
Average Shrinkage: ±2% • Average H_2O Absorption: ±2%

Southeastern Stoneware and Porcelain

Cone 10, High Fired Clays

Most Cone 10 clays show excellent performance in a broad range of lower temperatures.

WC-910 Maccabee's 10 Very similar to B-Mix, which is one of the most popular clay bodies in the U.S. White and smooth. Similar to porcelain, but throws like a dream.

Colors: White, O-Cream, R-Dark Cream
Pentrometer Target: 7.5 Texture: S
Average Shrinkage: 13% Average H_20 Absorption: 1%

WC-911 Mark's White Stoneware
This white stoneware is a mix between porcelain and stoneware clay. Throws very nicely.

Colors: O-White, R-Gray/White
Pentrometer Target: 7.5 Texture: SC
Average Shrinkage: 15% Average H_20 Absorption: 1%

WC-912 Norma's Porcelain Fires cool white w/med. translucency in reduction at Cone 10. A classic, high-in-kaolin, low-in-ball clay porcelain for throwing and hand building. Throws extremely well. Trouble-free body; Axner's most popular porcelain. Develops an extremely wide range of colors in wood-fired kilns.

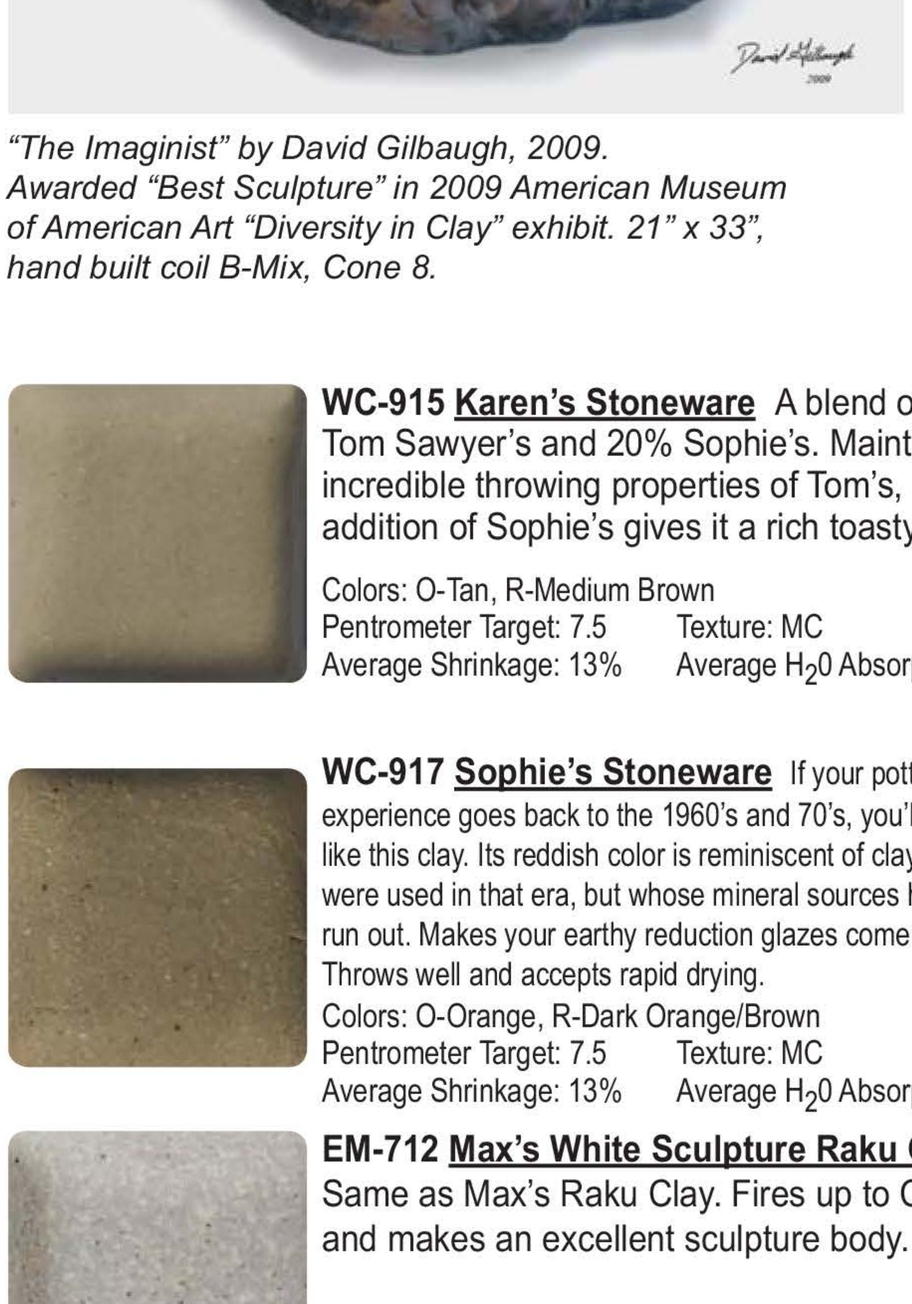
Colors: O-White, R-Off White
Pentrometer Target: 8 Texture: S
Average Shrinkage: 13% Average H_20 Absorption: 1%

WC-913 Jepson Stoneware Developed and used extensively by the internationally known, local potter, Stephen Jepson. Throws extremely well. Jepson claims it's the best clay he has ever used.

Colors: O-Light Tan, R-Tan
Pentrometer Target: 7 Texture: MC
Average Shrinkage: 12% Average H_20 Absorption: 1%

WC-914 Josh's Pro Stoneware Designed for the professional production potter. Contains many raw materials to minimize changes caused by varying ingredients. Contains 5% of 35 to fine grog and can be used for throwing, hand building, pressing, extruding, etc.

Colors: O-Buff, R-Toasty
Pentrometer Target: 7.5 Texture: SC
Average Shrinkage: 12% Average H_20 Absorption: 1%



"The Imaginist" by David Gilbaugh, 2009. Awarded "Best Sculpture" in 2009 American Museum of American Art "Diversity in Clay" exhibit. 21" x 33", hand built coil B-Mix, Cone 8.

WC-915 Karen's Stoneware A blend of 80% Tom Sawyer's and 20% Sophie's. Maintains the incredible throwing properties of Tom's, but the addition of Sophie's gives it a rich toasty color.

Colors: O-Tan, R-Medium Brown
Pentrometer Target: 7.5 Texture: MC
Average Shrinkage: 13% Average H_20 Absorption: 1%

WC-916 Nine Hundred Blend Very similar to another stoneware clay that has been popular in Florida. Toasty brown. Throws very well. If you are fond of the other fine brand, try this one.

Colors: O-Light Tan, R-Tan
Pentrometer Target: 7.5 Texture: MC
Average Shrinkage: 13% Average H_20 Absorption: 2%

WC-917 Sophie's Stoneware If your pottery experience goes back to the 1960's and 70's, you'll probably like this clay. Its reddish color is reminiscent of clay bodies that were used in that era, but whose mineral sources have since run out. Makes your earthy reduction glazes come alive. Throws well and accepts rapid drying.

Colors: O-Orange, R-Dark Orange/Brown
Pentrometer Target: 7.5 Texture: MC
Average Shrinkage: 13% Average H_20 Absorption: 1%

WC-918 Tom Sawyer's Stoneware Fires stony gray in reduction, light beige in oxidation at Cone 10. Has 5% of 35 mesh grog and a small amount of fireclay for texture. All purpose throwing and hand building body.

Colors: O-Light Grey, R-Light Tan
Pentrometer Target: 7.5 Texture: MC
Average Shrinkage: 13% Average H_20 Absorption: 1%

EM-712 Max's White Sculpture Raku Clay
Same as Max's Raku Clay. Fires up to Cone 10 and makes an excellent sculpture body.

Colors: O-Gray/White, R-Gray
Pentrometer Target: 7% Texture: C
Ave. Shrnkge:13% @ Cone 10 Ave. H_20 Absorption: 2% @10

Southeastern Stoneware and Porcelain

Cone 5 to Cone 6, Mid/High Fire Clays

Most Cone 05 and Cone 06 clays show excellent performance in a broad range of lower temperatures.

WC-900 Autumn's White Stoneware The whitest of Axner's Cone 5 to 6 white stonewares. Handles well for throwing and hand building. Reported to be a good body in soda glaze firings.

Colors: O-Off White, R-Off white
Pentrometer Target: 7 Texture: SC
Average Shrinkage: 13% Average H_20 Absorption: 2%

WC-901 Maccabee's Cone
Axner's Cone 5 to 6 version of our fabulous Cone 10 Maccabee Mix.

Colors: O-Cream, R-Cream
Pentrometer Target: 7 Texture: S
Average Shrinkage: 13% Average H_20 Absorption: 2%

WC-902 Mary's Porcelain Fires slightly gray-white at Cone 5 to 6 oxidation. Smooth, robust, plastic body for throwing and hand building. Easy to trim and dry. Similar to throwing a good stoneware.

Colors: O-White, R-Gray/White
Pentrometer Target: 8 Texture: S
Average Shrinkage: 13% Average H_20 Absorption: 2%

WC-903 Rae's Smooth Stoneware
A very smooth, off-white stoneware. Performs well and is a good compromise between porcelain and stoneware.

Colors: O-Off White, R-Off White
Pentrometer Target: 7% Texture: S
Average Shrinkage: 13% Average H_20 Absorption: 2%

WC-904 Sybil's Stoneware Fires warm off-white at Cone 5 to 6 oxidation. All-purpose coffee for throwing and hand building. Non-sticky texture with some tooth from the addition of 5% of 30 mesh grog.

Colors: O-Off White, R-Light Tan
Pentrometer Target: 7.5 Texture: SC
Average Shrinkage: 13% Average H_20 Absorption: 2%

WC-905 Sybil's Stoneware 5 with Speckles
Granular manganese is added to WC-904 giving it a speckled look. Speckles sometime burn through glaze giving a reduction-like appearance even when fired in an electric kiln.

Colors: O-Off White w/Speckles, R-Light tan with Speckles
Pentrometer Target: 7.5% Texture: SC
Average Shrinkage: 13% Average H_20 Absorption: 2%

WC-906 Elisabeth's Stoneware Fires light brown at Cone 5 oxidation. All-purpose clay for throwing and hand building. Very plastic, with a slightly greasy feel. Contains 5% of 35 to fine grog.

Colors: O-Orange/Tan, R-Dark Tan
Pentrometer Target: 7.5 Texture: SC
Average Shrinkage: 12% Average H_20 Absorption: 2%

WC-907 Elisabeth's Stoneware 5 with Speckles
Granular manganese is added to WC-906 giving it a speckled look. Speckles sometime burn through glaze giving a reduction-like appearance even when fired in an electric kiln.

Colors: O-Orange/Tan w/Speckles, R-Dark Tan w/Speckles
Pentrometer Target: 7.5 Texture: SC
Average Shrinkage: 12% Average H_20 Absorption: 2%

WC-908 Mike's Stoneware
A robust, beautiful-looking stoneware that throws extremely well.

Colors: O-Tan, R-Dark Tan
Pentrometer Target: 7.5 Texture: MC
Average Shrinkage: 12% Average H_20 Absorption: 2%

WC-909 Bob's Tile & Sculpture
Remarkably resistant to cracks and warping. Highly grogged, beautiful color (almost looks like a reduced stoneware when fired at Cone 6 in an electric kiln). Does well at Cone 6, possibly higher.

Colors: O-Orange, R-Brown
Pentrometer Target: 7% Texture: C
Average Shrinkage: 10% Average H_20 Absorption: 3%

Dinnerware by Klai Brown. 3-1/4"x 11"x 11", NS-124 Antique White Porcelain Slip.

Sake Set by Peggy Louden. WC-428Babu Porcelain reduction fired to Cone 10.

"Coral Nest" by Jennifer McCurdy. The 9" x 10" x 8" tessellation-based form shows the strength and beauty of this translucent porcelain body, WC-631. Photograph by Gary Mirando,

Color Key: (O) Color in Oxidation (R) Color in Reduction
Pentrometer Targets: ±1/2 • Texture Key: (S) Smooth (SG) Slightly Coarse (MC) Medium Coarse (C) Coarse
Average Shrinkage: ±2% • Average H_2O Absorption: ±2%

Southeastern Clay Bodies

Cone 05 to Cone 06

Most Cone 05 and Cone 06 clays show excellent performance in a broad range of lower temperatures.

EM-700 Vince's Fires A smooth, all-purpose body for throwing and hand building. Very white at Cone 05. Developed with a different contraction-expansion ratio than Wade's, allowing for more commercial clear glazes without crackling.

Colors: O-White, R-N/A
Pentrometer Target: 7.5 Texture: S
Average Shrinkage: 8% Average H_20 Absorption: 16%

EM-701 Vince's Low White with Grog
A variation of Vince's Low White. The addition of grog makes it more suitable for larger forms.

Colors: O-White, R-N/A
Pentrometer Target: 7 Texture: SC
Average Shrinkage: 8% Average H_20 Absorption: 16%

EM-702 Wade's Low White Fires very white at Cone 05. Smooth, all-purpose body for throwing and hand building. Good workability and drying. This is our original low fire white body and is very popular.

Colors: O-White, R-N/A
Pentrometer Target: 7.5 Texture: S
Average Shrinkage: 11% Average H_20 Absorption: 11%

EM-703 Wade's Low White with Grog
A variation of Wade's Low White. The addition of grog makes it more suitable for larger forms.

Colors: O-White, R-N/A
Pentrometer Target: 7 Texture: SC
Average Shrinkage: 10% Average H_20 Absorption: 11%

EM-705 Rojo Linda Developed by well known potter, Linda Arbuckle. More tooth than our other reds, helping it stand up better when thrown and contributing to lower dry shrinkage. Very plastic, good for throwing.

Colors: O-Red, R-N/A
Pentrometer Target: 7.5 Texture: MC
Average Shrinkage: 8% Average H_20 Absorption: 7%

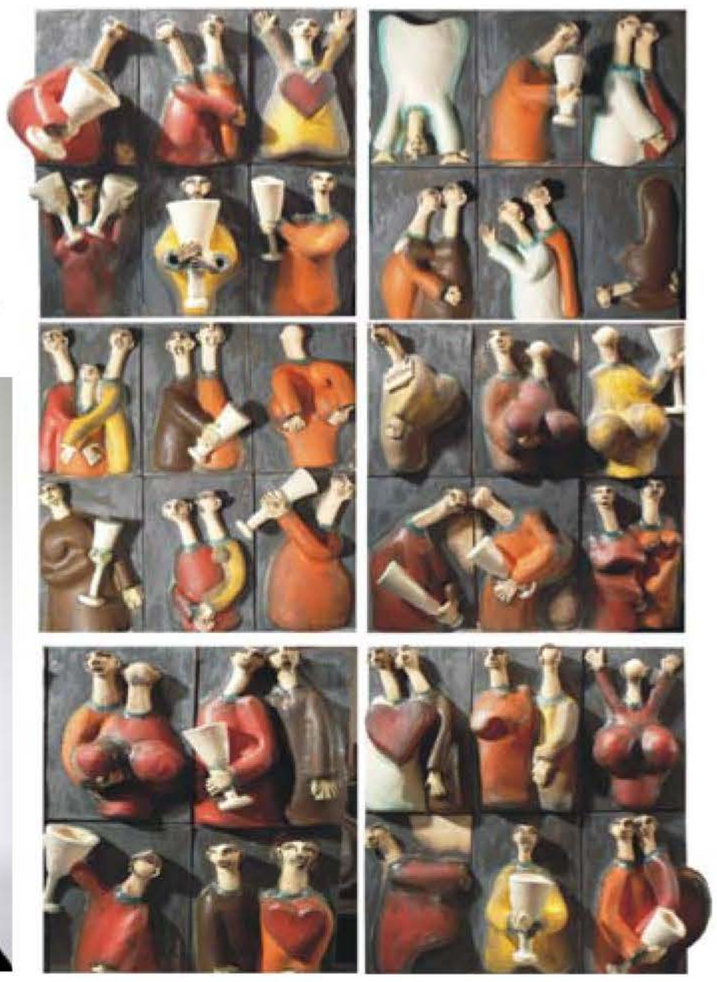
EM-707 Stanley's Red
Popular and well published, low fire red clay body developed by well known Majolica artist, Stanley Anderson.

Colors: O-Red, R-N/A
Pentrometer Target: 7.5 Texture: SC
Average Shrinkage: 8% Average H_20 Absorption: 7%

EM-709 Nan Smith's Sculpture Clay Great for large works and tiles. Unusually strong in green and fired states. Grainy to the touch, but smoothes nicely. Re-wets easily and will not crack due to uneven wall thicknesses. Developed by well known artist and Univ. of Florida professor, Nan Smith.

Colors: O-Light Tan, R-N/A
Pentrometer Target: 7% Texture: MC
Average Shrinkage: 6% Average H_20 Absorption: 12%

"Santo Macho" by Bridzaida Medina. WC-392 Buff Sculpture, low fired at Cone 06.



"Celebrating Diversity" by Bridzaida Medina. Arte Bienal de Florencia, WC-392 Buff Sculpture, low fired at Cone 05.

EM-704 Carolyn's HB Smooth, slightly sticky for hand building and throwing. Accepts commercial low fire glazes. Used extensively when plasticity must be retained over a long working period as with children and senior programs.

Colors: O-Pink/Red, R-N/A
Pentrometer Target: 7.5 Texture: S
Average Shrinkage: 11% Average H_20 Absorption: 17%

EM-706 Sid's Red Deep red earthenware is an excellent backdrop for colorful Majolica decoration. Almost vitrifies at earthenware temperatures lending to functional forms as it is more resistant to leaking and breakage than earthenwares that do not come as close to vitrification. Throws extremely well.

Colors: O-Red, R-N/A
Pentrometer Target: 7.5 Texture: S
Average Shrinkage: 10% Average H_20 Absorption: 6%

EM-708 Steve's Red The ultimate clay for Red Majolica! Fine grog makes it great for throwing and hand building. Stands up well when thrown, alters forgivingly, fires well, cleans up easily. Perfect for Majolica and all glazes up to Cone 03.

Colors: O-Terra Cotta, R-N/A
Pentrometer Target: 7.5 Texture: SC
Average Shrinkage: 8% Average H_20 Absorption: 7%

EM-751 Talc-less White
If you do not want talc in your Cone 06 white clay, this is the body for you. Suitable for throwing and hand building, and ideal for many classrooms.

Colors: W-White, O-White, R-N/A
Pentrometer Target: 7.5 Texture: S
Average Shrinkage: 8% Average H_20 Absorption: 12%

Southeastern Raku Clay Bodies

Low to High Fire Clays (shown in oxidation)

EM-710 Elena's Raku
Very white body contains Kyanite and throws well.

Colors: O-Off-White, R-Gray/Black in Raku
Pentrometer Target: 6 Texture: C
Average Shrinkage: 11% Average H_20 Absorption: 13%

EM-711 Sylvia's Raku For a Raku body, this clay throws extremely well. A dense, very plastic body, it can be fired up to Cone 5. 20% of 35 F mesh grog allows for large- scale sculpture.

Colors: O-Off-White, R-Gray/Black in Raku
Pentrometer Target: 6 Texture: C
Average Shrinkage: 8% Average H_20 Absorption: 9%

EM-712 Max's Raku Rough textured, low shrinkage for Raku and large-scale hand built sculptures and tiles where thick cross sections (up to 1") are anticipated. 25% of 35 F mesh grog.

Colors: O-Off-White, R-Gray/Black in Raku
Pentrometer Target: 7 Texture: C
Average Shrinkage: 7% Average H_20 Absorption: 12%

Colored Porcelain

Laguna's Colored Porcelain is particularly well suited for small sculptures and jewelry. The colors get even more vibrant as you fire hotter. The chips shown were fired to Cone 6. Colors are satiny when unglazed or brilliant with a clear glaze. Fire at lower temperatures for a pastel.

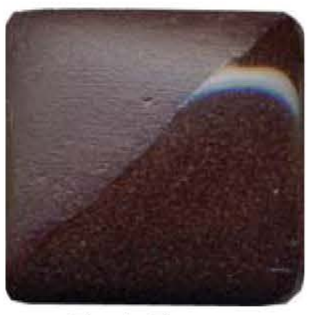
- Available in 5-lb packages
- Sample Packs available with all 14 colors in 1/2-lb portions (A027020)
- Tiles shown were fired at Cone 6:
  Upper six, unglazed; lower eight, glazed
- Use clear glaze for best results

NOTE: Colored Porcelain clays can be blended together to create a custom pallette.

Grey
A027001

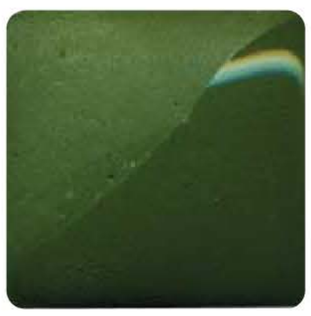
Black
A027002

Tan
A027003



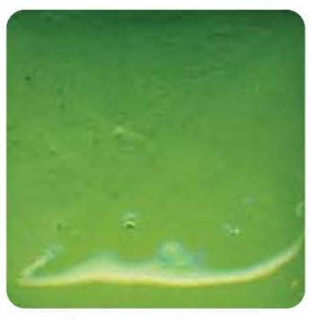
Dark Brown
A027004

White
A027005

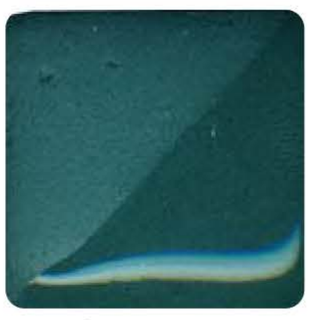


Evergreen
A027006

Colored Porcelain vessel by Mitch Lyons.



Spring Green
A027007



Green-Blue
A027008

Turquoise
A027009

Navy
A027010

Pink
A027011

Lavender
A027012

Yellow
A027013

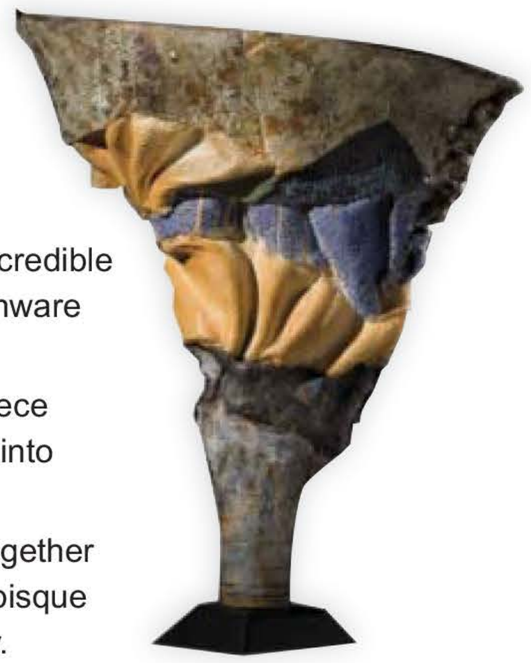
Tangerine
A027014

Color Key: (O) Color in Oxidation (R) Color in Reduction
Pentrometer Targets: ±1/2 • Texture Key: (S) Smooth (SG) Slightly Coarse (MC) Medium Coarse (C) Coarse
Average Shrinkage: ±2% • Average H_2O Absorption: ±2%

Read all about it...

Laguna Paper Clay

Our Paper Clay is pugged, homogenous, and air-free. Great for figurative works, sculpture and throwing. We add ingredients to keep it smelling fresh for three months or more with proper storage.



WC-886 B-Mix with Grog Paper Clay
Has the plastic nature and glaze-friendly creamy color of B-Mix with Grog and all the added qualities of paper clay. A great choice for sculptural vessels. Good throwing qualities. Fires successfully in a wide range of temperatures from Cone 04 to10.

WC-909 Bob's Tile & Sculpture Remarkably resistant to cracks and warpage. Highly grogged and beautiful in color (almost looks like reduced stoneware when fired at Cone 6 in an electric kiln). Tolerant of higher temperatures.

WC-953 Max's Paper Clay Fires gray-stone-white in reduction at Cone 10, off-white at Cone 5 oxidation, and bright white at Cone 05 (Raku). Designed for large-scale, hand built sculpture and tile work where thick cross sections (up to 1") are anticipated or Raku firings.

PAPER CLAY ATTRIBUTES:

Experience...the freedom of incredible green strength. Transport greenware without worrisome breakage.

Add...wet clay to a bone-dry piece or incorporate a bone-dry form into a new construction.

Assemble...bone-dry pieces together or attach a bone-dry form to a bisque piece using a Paper Clay slurry.

Repair...firing cracks with a Paper Clay slurry.

Sculpt...over a greenware Paper Clay armature—then fire the whole construction.

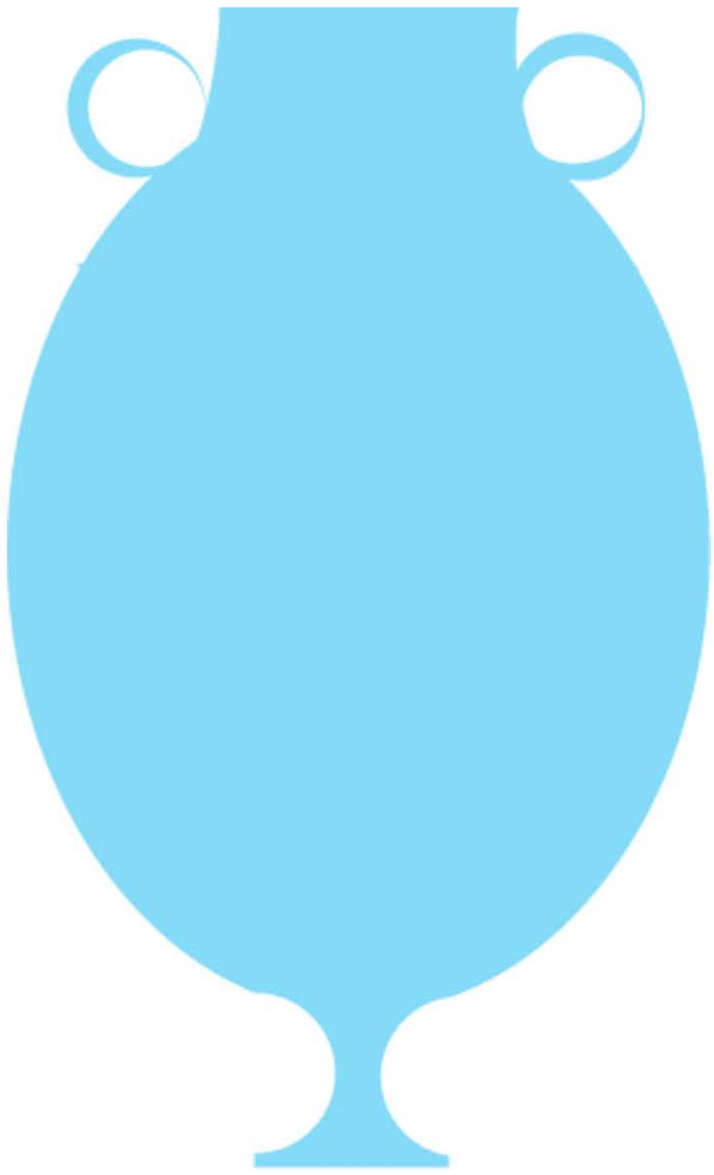
Make...thick or thin tiles from Paper Clay—the capillary action of the fibers makes flat forms dry quite flat without cracking.

Force Dry...without breakage.

Raku Fire...and enjoy the versatility of Laguna Paper Clay!

FOR NON-FIRING USE: Create...dry...paint!

NOTE: Ask us to custom blend a full batch of your own clay formula or any of our clay bodies with the addition of paper.



Fine Porcelain Slip

Mid/High Fire Clays

Ideal for dolls and other high-end porcelain applications. These liquid slips are carefully screened and ferro filtered for exceptional purity. The three white variations are semi-translucent.

Cool Blush NS-120 When fired to Cone 06, this self-supporting doll slip represents a traditional Caucasian flesh color (a hint of pink).

Warm Blush NS-121 A little less pink and more "tan" than Cool Blush.

Desert Beige NS-122 A color out of the Southwest, Desert Beige is the next, small step away from Cool Blush and Warm Blush toward tan/light brown.

Warm Brown NS-123 A medium, rich hue.

Antique White NS-124 More of a "cameo white" look than cool white.

Very White NS-125 A bright, cool white, but not a "blue" white.

Sahara NS-127 A soft, light, golden beige.

Mojave NS-128 A darker, tanner version of Desert Beige.

Mocha NS-129 Lighter than Warm Brown, with a hint of pink.

Coffee NS-130 A strong, dark brown.

Snow NS-131 Cold, blue white.

Chocolate NS-132 A softer shade than Coffee.

Cool Blush NS-120 | Warm Blush NS-121 | Desert Beige NS-122 | Warm Brown NS-123

Antique White NS-124 | Very White NS-125 | Sahara NS-127 | Mojave NS-128

Mocha NS-129 | Coffee NS-130 | Snow NS-131 | Chocolate NS-132

Statement on Casting Bodies

Because of the variation in raw materials which are mined from the earth, and water, which can change considerably depending upon location, source, and the time of the year, it is important that a somewhat scientific approach be taken in casting body preparation. Refer to "The Art of Slip-making" at www.lagunaclay/slip. Laguna Clay is prepared to handle your questions and assist you in the preparation of your casting body.

Dry Blended and Liquid Casting Slip

Low Fire, Mid/High Fire and High Fire Clays

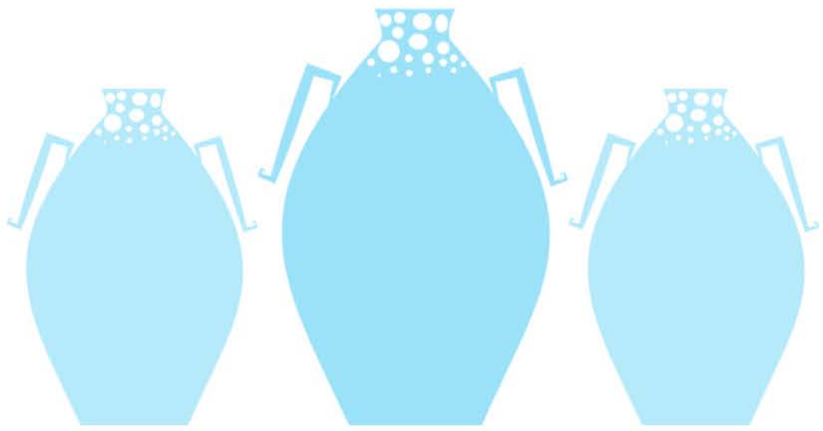
Laguna Clay Company specializes in producing dry slip casting clays formulated for Earthenware, Stoneware, and Porcelain.

Cone 10-13 (shown in oxidation)

High Fire Clay

WC-895 Refractory Body
An excellent casting body for refractory use, such as shelves, posts, burner ports, flue ports, and saggers, and glass slump molds.

O-Buff, R-Brown
Average Shrinkage: 5.0%
Ships from: LCC-CA
Average H_20 Absorption: N/A



For complete directions on mixing Laguna's Dry Blended Casting Slips into liquid slip, see "The Art of Slip-Making" at www.lagunaclay.com

Cone 10 (shown in reduction)

High Fire Clays

WC-829 Toshi Porcelain
A smooth, white porcelain specifically formulated for slip casting. Can be cast in all standard molds. Available liquid and dry.

O-White, R-Eggshell
Average Shrinkage: 12.0%
Ships from: LCC-CA
Average H_20 Absorption:

WC-830 Speckstone
A smooth stoneware specifically formulated for slip casting.

O-Gray/White, R-Gray/Brown
Average Shrinkage: 12.0%
Ships from: LCC-CA
Average H_20 Absorption: 0.10%

NS-8 500L
A popular, high-temperature whiteware. Available liquid and dry.

O-White, R-Gray
Average Shrinkage: 11.6%
Ships from: LCC-OH
Average H_20 Absorption:

"Seven, Four-Sided Infinity Rings" by Charles Sherman using Laguna's low fire White Casting Slip.

Cone 5 (shown in oxidation)

Mid/High Fire Clays

NS-4 Dover
White, all purpose stoneware casting body. Available liquid and dry.

O-White, R-N/A
Average Shrinkage: 11.6%
Ships from: LCC-OH
Average H_20 Absorption: 0.0%

NS-5 Grits
Tan slip with specks produces a great sandstone stoneware.
Available liquid and dry.

O-Tan, R-N/A
Average Shrinkage: 9.0%
Ships from: LCC-OH
Average H_20 Absorption: 0.2%

CN-304 Moroccan Sand Light Beige Original Cone 05 stoneware casting body. Fires well in gas and electric kilns. Casts in all standard molds. Moroccan Sand Cone 5 Glazes have been developed for this clay. Available liquid and dry.

O-Lt Beige, R-Dk Beige
Average Shrinkage: 10.0%
Ships from: LCC-CA
Average H_20 Absorption: 3.0%

CN-305 Sani-Ware
An excellent off-white casting body for sanitary ware. Good green strength and very forgiving.

O-Off White, R-N/A
Average Shrinkage: 10.0%
Ships from: LCC-CA
Average H_20 Absorption: 3.0%

CN-4110 Oriental Pearl Sun Dynasty™ Oriental Pearl is a fine white porcelain, highly castable and translucent. Dispersal is the only deflocculant recommended. Instructions available on request. Available liquid and dry.

O-Off White, R-N/A
Average Shrinkage: 14.0%
Ships from: LCC-CA
Average H_20 Absorption:

Color Key: (O) Color in Oxidation (R) Color in Reduction
Pentrometer Targets: ±1/2 • Texture Key: (S) Smooth (SG) Slightly Coarse (MC) Medium Coarse (C) Coarse
Average Shrinkage: ±2% • Average H_2O Absorption: ±2%

Dry Blended and Liquid Casting Slip *continued*

Low Fire, Mid/High Fire and High Fire Clays

Laguna Clay Company specializes in producing dry slip casting clays formulated for Earthenware, Stoneware, and Porcelain.

Cone 5 (shown in oxidation) *continued*

Mid/High Fire Clays

S-965 White Stoneware
Cone 5-6, all-purpose, cream color, stoneware casting body.
Available liquid and dry.

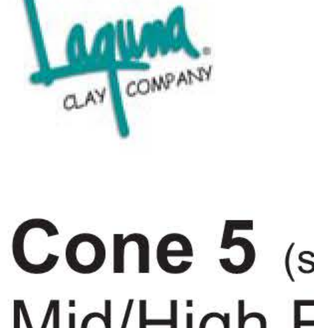
O-Off White, R-N/A
Average Shrinkage: 10.0%
Ships from: LCC-CA
Average H_20 Absorption: 0.5%

S-3128 Glacier White
A slip casting porcelain highly translucent from Cone 5-8. Builds very quickly in the mold and maintains translucent character up to a 1/4" thickness. Available liquid and dry.

O-White, R-Bluish white
Average Shrinkage:2±%
Ships from: LCC-CA
Average H_20 Absorption: 1±%

Cone 6 (shown in oxidation)

Low Fire Casting Slips



NS-1 Miller Slip
The East Coast standard for low fire hobby ceramics. Fires white and is craze-free with most low fire glazes.
Available liquid and dry.

O-White, R-N/A
Average Shrinkage: 4.5%
Ships from: LCC-OH
Average H_20 Absorption: 15.2%

CN-110 Raku CB Especially formulated for optimum thermal shock resistance and fast firing small to large items in oxidation and reduction. Smooth, tight surface unlike other Raku bodies. Perfect for normal casting operations where fast firing is a necessity. Available liquid and dry.

O-White, R-N/A
Average Shrinkage: 5.0%
Ships from: LCC-CA
Average H_20 Absorption: 17.00%

NS-3 Robin Red A favorite terra cotta slip. Popular for slip trailing color or totally covering and using the sgraffito technique. Most low fire leadless and leaded glazes fit this body. Best to bisque at Cone 2-3. Available liquid and dry.

O-Red, R-N/A
Average Shrinkage: 11.8%
Ships from: LCC-OH
Average H_20 Absorption: 2.5%

CN-401 White Star
An all-purpose casting clay with excellent plasticity. Produces strong greenware. Works well with most low fire glazes. Available liquid and dry.

O-White, R-N/A
Average Shrinkage: 6.0%
Ships from: LCC-CA
Average H_20 Absorption: 19.00%

CN-301 MCP Artware
A popular, high talc body combining the best California and Texas talcs.
Available dry only.

O-White, R-N/A
Average Shrinkage: 5.0%
Ships from: LCC-CA
Average H_20 Absorption: 18.00%

S-704 Terra Cotta
An old favorite, red casting body which produces quality smoothware.
Available liquid and dry.

O-Red, R-N/A
Average Shrinkage: 6.0%
Ships from: LCC-CA
Average H_20 Absorption: 19.00%

CN-402 Mojave Red
This very popular casting body has a warm terra cotta look. Available liquid and dry.

O-Terra Cotta, R-N/A
Average Shrinkage: 6.0%
Ships from: LCC-CA
Average H_20 Absorption: 18.00%

S-825 Terra Cotta
Very similar to S-704, but a slightly lighter terra cotta body. Available liquid and dry.

O-Red, R-N/A
Average Shrinkage: 7.0%
Ships from: LCC-CA
Average H_20 Absorption: 21.00%

S-821 Artware
Our most popular white firing artware clay, this Texas talc body is ideal for contemporary studios as well as for general, low fire, artware production.
Available dry only.

O-White, R-N/A
Average Shrinkage: 5.0%
Ships from: LCC-CA
Average H_20 Absorption: 23.00%

Slip Casting Accessories and Additives

Gum Solution (Plasticizer) A liquefied binder, thickener, suspension and brushing medium agent made of an organic cellulose gum. Also used to increase plasticity of clay bodies.

Darvan #7 (Dispersal) A user-friendly deflocculant with a wide deflocculation curve. Does not deteriorate molds as actively as sodium silicate.

Darvan #81 Similar in use and composition to Darvan #7, but recommended for deflocculating red slips and high iron slips.

Soda Ash Used as a deflocculant in slip. Reduces shrinkage and increases workability.

Dowicil 75 An additive to slip and moist clay to control bacteria, mold, and fungus growth, reducing odor and gas-induced pinholing in greenware.

Sodium Silicate Na20.Si02 Used as a major deflocculant in preparing slip, it reduces the amount of water needed, thereby reducing shrinkage. This is a pure sodium silicate and must be mixed with water to a 50/50 solution for most casting bodies.

Viscometer This instrument is a must for proper slip mixing. It measures the viscosity of 500 ml. of slip. Full instructions for use are included.

TM-2012: Plastic

TM-3013: Glass

Graduated Cylinder Take the guesswork out of volume reading with these polypropylene graduated cylinders. Non-tipping octagonal base and highly legible, fade-free, molded graduations.

TM-3028: 100 ml

TM 3029: 250 ml

Hydrometers These glass instruments measure the approximate specific gravity of liquids. The meter can be read when placed in a container of liquid where it will float like a buoy.

NL-204S: 6” long, reads 40-60 baume

NL-204L: 11.5” long, reads 0-70 baume or 1.000-2.000 specific gravity

Viscometer

Graduated Cylinders

Hydrometers

Laguna Specialty Clays

Laguna Modeling Clays

EM-207J Red 5#
An all-purpose, smooth modeling clay, excellent for beginning techniques such as coil and slab building. Fires to a reddish, earthenware color and is often used for terra cotta work. Instructions included.

EM-210 White 5#
Very similar in texture and working properties to EM-207, but fires to a white color, making it ideal for use with low fire glazes. Instructions included.

Available in 5-lb. boxes.

Wet Engineering and Design Clay

EM-217 Wed Specifically formulated to be a very smooth, slow-drying clay for modeling. It was developed primarily for use by Walt Disney Studios and the entertainment industry for modeling, design, mock-up and tooling. Not formulated to be fired.

Colors: O-N/A, R-N/A
Pentrometer Target: 6.0 Texture: S

Available in 50-lb. boxes.

Laguna Self-Hardening Clay

Convenient artist clay for school, home, and arts and crafts. Safe, multi-purpose, and economical! Laguna **Mexo** and **Dry-Hard**™ clays are great for modeling, throwing, sculpting and thousands of hobby projects. A cure for shrinking school budgets, these self-hardening products eliminate the expense of kiln firing, while producing a finished piece that dries leather-hard in just 24 hours, and as hard as plaster within several days (actual drying time varies with temperature, humidity, and thickness of the clay). Apply acrylic paints to decorate. Waterproof with a commercial water sealant. Not recommended for food containers.

***Mexo-Red and Mexo-White available in 50-lb. boxes**
****Dry Hard available in 2-lb. and 25-lb. boxes***

Mexo-Red*
WC-640

Dry Hard**
CP-600TC

Mexo-White*
WC-641

Dry Hard**
CP-660W

Pam Foley's senior students working with Mexo from Portland Pottery Supply.

Moist Clay Sample Kits

Groups of custom moist clay sample kits are available upon request to assist you in evaluating what clay will suit your purpose. There is no substitute for getting your hands in the clay, seeing how it responds to the form you are creating. Fired samples can also reveal a great deal when your own glazes are applied and fired in your kiln.