

# DRY BLENDED CASTING SLIPS



Laguna Clay Company specializes in producing dry slip casting clays, formulated for Earthenware, Stoneware and Porcelain. To make liquid slip for casting into plaster molds, these bodies require mixing with water and deflocculants such as soda ash (see raw materials), sodium silicate or dispersal/Darvan (see accessories and additives for casting slip). Mixing formulas vary. See *The Art of Slipmaking* at the end of this section.

## HIGH FIRE

### WC-829D TOSHI PORCELAIN

A smooth, white porcelain Cone 10 body which has been formulated for slip casting. Can be cast in all standard molds. Fires white in oxidation and eggshell in reduction firing. Also available as prepared liquid slip.

### WC-830D SPECKSTONE

A Cone 10 stoneware specifically formulated for slip casting. Speckstone fires to a grayish-white color in oxidation and a medium gray-brown in reduction.

### CN-304D MOROCCAN SAND LIGHT BEIGE

This is the original Cone 5 stoneware casting body. Fires well in both gas and electric kilns. For a semi-vitreous, hard ware, Moroccan Sand makes a reliable stoneware slip that can be cast in all standard molds. We have developed a full line of Moroccan Sand Cone 5 Glazes for use with this clay. Also available as prepared liquid slip.

### CN-305D SANI-WARE

An excellent off-white casting body for sanitary ware. This Cone 5 body has good green strength and is very forgiving.

### CN-4110D ORIENTAL PEARL

Sun Dynasty™ Oriental Pearl is a fine white Cone 6 porcelain, highly castable and translucent. Dispersal is the only deflocculant recommended for this porcelain. Instructions available on request.

### S-965D WHITE STONWARE

Cone 5-6, all-purpose, cream color, stoneware casting body. Also available as prepared liquid slip.

### WC-895D REFRACTORY BODY

An excellent casting body for refractory use (shelves, posts, burner ports, flue ports, saggars) and glass slump molds. For best results fire to Cone 13.

## LOW FIRE

### CN-105D BUTCHER 3000

This traditional low fire casting body has become a standard in many areas. It is a general purpose clay with good working properties for casting large or small items. Fires white and will produce a craze-free fit with most low fire glazes. Fire Cone 06-04.

### CN-106D ULTRA WHITE

A general purpose formulation which deflocculates in more varied water conditions. Produces strong greenware, fires white and will produce a craze-free fit with most low fire glazes. Fire Cone 06-04.

### CN-110D RAKU CB

There is nothing else like it. This Cone 06 Raku casting body has been especially formulated for optimum thermal shock resistance and fast firing of small to large items in oxidation and reduction. The body is designed to provide a smooth, tight surface unlike any other Raku body we've ever seen. It is also perfect for normal casting operations where fast firing is a necessity.

### CN-301D MCP ARTWARE

A popular, high talc body combining the best California and Texas talcs.

### CN-302D WARDS ARTWARE

A favorite for decades. Developed by S. Paul Ward and considered the standard for California talc bodies. Also available as prepared liquid slip.

### CN-401D WHITE STAR

An all-purpose casting clay with excellent plasticity. This clay produces strong greenware and fires white. Works well with most low fire glazes. Also available as prepared liquid slip. Fire Cone 06-04.

### CN-402D MOJAVE RED

This very popular Cone 06 casting body is a warm, red-orange color. If the terra cotta look is what you want, this is another good choice. Also available as prepared liquid slip.

### S-704D TERRA COTTA

An old favorite red casting body which produces quality, smooth ware. Also available as prepared liquid slip.

### S-821D ARTWARE

Our most popular white firing artware clay, this Texas talc body is ideal for greenware for use in the hobby industry and contemporary studios as well as for general, low fire, artware production.

### S-825D TERRA COTTA

Very similar to S-704, but a slightly lighter terra cotta body. Also available as prepared liquid slip.

**CASTING SLIP CHARACTERISTICS CHART**



CAT. NO.	SLIP	APPROX. CONE	FIRED COLOR		AVG. LINEAR SHRINKAGE ± 2%	AVG. WATER ABSORPTION ± 1%
			OXIDATION	REDUCTION		
WC-829D	TOSHI PORCELAIN	10	WHITE	EGGSHELL	12.0%	0.00%
WC-830D	SPECKSTONE	10	GRAY/WHITE	GRAY/BROWN	12.0%	0.10%
CN-304D	MOROCCAN SAND	5	LT. BEIGE	DK. BEIGE	10.0%	3.00%
CN-305D	SANI-WARE	5	OFF-WHITE	N/A	10.0%	3.00%
CN-4110D	ORIENTAL PEARL	5-6	OFF-WHITE	N/A	14.0%	0.00%
S-965D	WHITE STONEWARE	5	OFF-WHITE	N/A	10.0%	0.50%
WC-895D	REFRACTORY BODY	13	BUFF	BROWN	5.0%	N/A
CN-105D	BUTCHER 3000	06	WHITE	N/A	5.0%	21.00%
CN-106D	ULTRA WHITE	06	WHITE	N/A	5.0%	17.00%
CN-110D	RAKU CB	06	OFF-WHITE	N/A	5.0%	17.00%
CN-301D	MCP ARTWARE	06	WHITE	N/A	5.0%	18.00%
CN-302D	WARDS ARTWARE	06	WHITE	N/A	5.0%	18.00%
CN-401D	WHITE STAR	06	WHITE	N/A	6.0%	19.00%
CN-402D	MOJAVE RED	06	TERRA COTTA	N/A	6.0%	18.00%
S-704D	TERRA COTTA	06	RED	N/A	6.0%	20.00%
S-821D	ARTWARE	06	WHITE	N/A	5.0%	23.00%
S-825D	TERRA COTTA	06	RED	N/A	7.0%	21.00%

Clay characteristics are based on laboratory tests and may vary with kiln conditions. Dry clays are packed in 50 lb. paper sacks.

**DRY CASTING SLIP PRICE LIST**

Blended casting slips are manufactured in our Los Angeles, CA facility. F.O.B. Byesville, OH, add \$.05 per pound.

CAT. NO.	SLIP	50 LBS.	100 LBS.	500 LBS.	1,000 LBS.	1 TON
WC-829	TOSHI PORCELAIN					
WC-830	SPECKSTONE DRY					
CN-304D	MOROCCAN SAND					
CN-305D	SANI-WARE					
CN-4110D	ORIENTAL PEARL					
S-965	WHITE STONEWARE					
WC-895D	REFRACTORY BODY					
CN-105D	BUTCHER 3000					
CN-106D	EXTRA WHITE					
CN-110D	RAKU CB					
CN-301D	MCP ARTWARE					
CN-302D	WARDS ARTWARE					
CN-401D	WHITE STAR					
CN-402D	MOJAVE RED					
S-704	TERRA COTTA					
S-821D	ARTWARE					
S-825	RED					
WC370	AMADOR					
EM210	WHITE					
EM342	WHITEWARE					
WC376	LB BLEND					
WC379	B-MIX CLAY					
WC401	B-MIX CONE 5					
WC409	CA-2					
WC823	ROD'S BOD					
WC843	SOLDATE-60 SAND					
WC851	52 BUFF					

All prices are per pound. Please call for pricing on larger quantities. Stock prepared dry clays are combinable for quantity price break. Dry clays are packaged in 50 lb. paper sacks, 2500 lbs. (50 sacks) per pallet.



## ACCESSORIES AND ADDITIVES FOR CASTING SLIP

<b>PORCELAIN PROP RF-507</b>	Porcelain Prop may be used to support pieces in firing which, because of design, may require support to prevent distortion. Simply pack the Porcelain Prop tightly under appendages or areas which may collapse or warp. Porcelain Prop is a ceramic fiber product. It can be fired to Cone 10 and is reusable. (12" x12" x 1").	Each	6 or More	
<b>GUM SOLUTION (Plasticizer)</b>	A liquefied binder, thickener, suspension and brushing medium agent made of an organic cellulose gum. Also used to increase plasticity of clay bodies.	Pint	Gallon	
<b>DARVAN #7 (Dispersal)</b>	A deflocculant that is user friendly because it has a wide deflocculation curve. Does not deteriorate molds as actively as does sodium silicate.	Pint	Gallon	5 Gallon
<b>DARVAN #811 (Dispersal)</b>	Similar in use and composition to Darvan #7, but recommended for deflocculating red slips and high iron slips.	Pint	Gallon	5 Gallon
<b>POLY 211</b>	An alternative to sodium silicate or dispersal and ideal when deflocculation is affected by the water or the clays within the body. Particularly useful when thick slurries are desired.	Pint	Gallon	5 Gallon
<b>SODIUM SILICATE Na<sub>2</sub>O.SiO<sub>2</sub></b>	Liquid "N" brand Sodium Silicate is used as a major deflocculant in preparing slip. It reduces the amount of water needed, therefore reducing shrinkage. This is a pure sodium silicate and must be mixed with water to a 50/50 solution for most casting bodies.	Pint	Gallon	5 Gallon

## WESTERN U.S. LIQUID SLIP



CAT. NO.	SLIP	1 GALLON	5 GALLONS	25 GALLONS
WC-829	TOSHI PORCELAIN			
CN-304	MOROCCAN SAND			
S-965	WHITE STONEWARE			
CN-302	WARDS ARTWARE			
CN-401	WHITE STAR			
CN-402	MOJAVE RED			
S-704	TERRA COTTA			
S-825	TERRA COTTA			

Prices are per gallon. Packed in 5 gallon plastic buckets. Available in one gallon plastic jars (add \$ .50 per gallon in quantities of 5 gallons or more). F.O.B. Ohio add \$ .50 per gallon.

## EASTERN U.S. LIQUID SLIPS



### CONE 10

500L Popular Cone 10 whiteware. Fires white in oxidation, gray in reduction.  
NS-8

### CONE 6 STONEWARE

Dover White, Cone 6, all purpose stoneware casting body.  
NS-4

Grits This tan slip with specks produces a great sandstone stoneware.  
NS-5

### CONE 06

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

White Velvet An alternative to Miller with slightly less talc and slightly slower casting. Also, is craze-free with most low fire glaze.  
NS-2

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 03-02.  
NS-3

## EASTERN U.S. LIQUID SLIPS CHARACTERISTICS CHART



CAT. NO	SLIP	APPROX. CONE	FIRED COLOR		AVG. LINEAR SHRINKAGE ± 2%	AVG. WATER ABSORPTION ± 1%
			OXIDATION	REDUCTION		
NS-8	500L	10	White	Gray	11.6	0.0
NS-4	DOVER	6	White	N/A	11.6	0.0
NS-5	GRITS	6	Tan	N/A	9.0	0.2
NS-1	MILLER SLIP	04	White	N/A	4.5	15.2
NS-2	WHITE VELVET	04	White	N/A	5.0	15.4
NS-3	ROBIN RED	04	Red	N/A	11.8	2.5

## EASTERN U.S. LIQUID SLIPS PRICE LIST

Packaged in 2.5 gallon boxes.

CAT. NO	SLIP	1-9 BOXES	10-59 BOXES
NS-8	500L		
NS-4	DOVER		
NS-5	GRITS		
NS-1	MILLER SLIP		
NS-2	WHITE VELVET		
NS-3	ROBIN RED		

All prices on Eastern U.S. Liquid Slips are per 2.5 gallon box and are F.O.B. Byesville, OH.



# LAGUNA FINE PORCELAIN SLIP



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 6, this self-supporting doll slip presents 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**                      Antique White offers more of a "cameo white" look than cool whites.
- VERY WHITE  
NS-125**                      A bright, cool white but not a "blue" white.
- ASIAN  
NS-127**                      A soft, light, golden beige.
- NATIVE AMERICAN  
NS-128**                      A darker and tanner version of Desert Beige.
- CREOLE  
NS-129**                      Lighter than Warm Brown with a hint of pink.
- CAMEROON  
NS-130**                      A strong, dark brown.
- FROST WHITE  
NS-131**                      Cold, blue white.
- AFRICAN AMERICAN  
NS-132**                      A softer shade than Cameroon.

## LAGUNA FINE PORCELAIN SLIP PRICE LIST

CAT.NO.	SLIP	1-11 GALLONS	12 GALLONS
NS-120	COOL BLUSH		
NS-121	WARM BLUSH		
NS-122	DESERT BEIGE		
NS-123	WARM BROWN		
NS-124	ANTIQUE WHITE		
NS-125	VERY WHITE		
NS-127	ASIAN		
NS-128	NATIVE AMERICAN		
NS-129	CREOLE		
NS-130	CAMEROON		
NS-131	FROST WHITE		
NS-132	AFRICAN AMERICAN		
MY-120	FINE PORCELAIN SLIP SAMPLE BOARD		Ship. wt. 4 lbs.

Laguna porcelain slips are combinable for quantity discount, and are packaged in one gallon containers. Call for pricing on larger quantities. Prices are per gallon.