

# GEORGIES CLAYS

## CONE 06-1 LOWFIRE CLAYS



CC510 • Warm Springs Red



CC546 • Cherry Creek Red



CC510G • Warm Springs Red  
w/Grog



CC546G • Cherry Creek Red  
w/Grog



CC511 • Warm Springs White



CC546SC • Cherry Creek Red  
Sculptural



CC514 • Play Clay



CC549 • Orange Blush

## SPECIAL-PURPOSE CLAYS



CC547 • Wonder White



CC547G • Wonder White  
w/Grog



CC547SC • Wonder White  
Sculptural



CC513 • Raku Clay  
(recommended for Δ06-1)



CC512A • TFJ Architectural  
(fires up to Δ10)



CC537 • Piepenburg Raku  
(recommended for Δ06-1)



CC512 • Three Finger Jack  
(fires up to Δ10)



CC512R • TFJ Red  
(fires up to Δ8; here fired at Δ06)

*We make custom clay blends for several major West Coast tile manufacturers. Looking for clay specifically tailored to your production or firing needs, from single batches to truckloads? Georgies has the experience and the facilities to work with you.*

Georgies' Clays conform to ASTM D-4236 and are certified nontoxic.



# GEORGIES CLAYS

 = Georgies' most popular choices.

## CONE 06-1 LOWFIRE

### Earthenware & Raku

#### CC510 • Warm Springs Red

A classic "terra cotta" well-suited to throwing or handbuilding. Bright lowfire glazes enhance its warmth.

Shrinkage: ..... @ Dry ..... 5.28%      Absorption: ..... 5.19%  
@ Bisque ..... 8.90%      Total Shrinkage: ..... 8.90%

#### CC510G • Warm Springs Red with Grog

Warm Springs Red with the addition of 5% 35-mesh grog for extra strength when working larger.

Shrinkage: ..... @ Dry ..... 6.70%      Absorption: ..... 5.19%  
@ Bisque ..... 10.27%      Total Shrinkage: ..... 10.27%

#### CC511 • Warm Springs White

Warm Springs White is more plastic and versatile than most of its peers, good for throwing or handbuilding.

Shrinkage: ..... @ Dry ..... 4.12%      Absorption: ..... 9.33%  
@ Bisque ..... 6.30%      Total Shrinkage: ..... 6.30%

#### CC513 • Raku Clay

Velvety black after reduction, or white under clear glaze. This clay has an affinity for small-to-medium wheelwork.

Shrinkage: ..... @ Dry ..... 5.32%      Absorption: ..... 8.75%  
@ Bisque ..... 7.55%      Total Shrinkage: ..... 7.55%

#### CC514 • Play Clay

Easily formed and bright white to show off color. Play Clay is a great for school projects, and a favorite of tilemakers.

Shrinkage: ..... @ Dry ..... 5.45%      Absorption: ..... 8.43%  
@ Bisque ..... 7.70%      Total Shrinkage: ..... 7.70%

#### CC537 • Piepenburg Raku

Kyanite knits the clay together during firing with a network of needle-like crystals for strength against thermal shock.

Shrinkage: ..... @ Dry ..... 5.64%      Absorption: ..... 12.10%  
@ Bisque ..... 7.64%      Total Shrinkage: ..... 7.64%

#### CC546 • Cherry Creek

Great reliability for both wheelthrowing and handbuilding. Leadfree glazes fit and keep the rich terra cotta color.

Shrinkage: ..... @ Dry ..... 5.65%      Absorption: ..... 7.90%  
@ Bisque ..... 8.90%      Total Shrinkage: ..... 8.90%

#### CC546G • Cherry Creek with Grog

With 5% 35-mesh grog for extra strength when working large.

Shrinkage: ..... @ Dry ..... 4.62%      Absorption: ..... 6.89%  
@ Bisque ..... 7.74%      Total Shrinkage: ..... 7.74%

#### CC546SC • Cherry Creek Sculptural Blend

The Sculptural Cherry Creek adds a 30% blend of aggregate materials, allowing you to dream big.

Shrinkage: ..... @ Dry ..... 5.45%      Absorption: ..... 6.89%  
@ Bisque ..... 9.14%      Total Shrinkage: ..... 9.14%

#### CC547 • Wonder White

Our best white earthenware, period. This is the one we recommend, because you can really throw it! Plus great "stick" for add-ons or handbuilding, and a good fit for leadfree glazes.

Shrinkage: ..... @ Dry ..... 5.60%      Absorption: ..... 10.10%  
@ Bisque ..... 6.43%      Total Shrinkage: ..... 6.43%

#### CC547G • Wonder White with Grog

The friendly Wonder White formula with 5% 35-mesh grog for added strength in large pieces.

Shrinkage: ..... @ Dry ..... 4.94%      Absorption: ..... 9.30%  
@ Bisque ..... 6.01%      Total Shrinkage: ..... 6.01%

#### CC547SC • Wonder White Sculptural Blend

Wonder White Sculptural contains 30% blended aggregate material. Great for sculpture up to cone 04.

Shrinkage: ..... @ Dry ..... 4.98%      Absorption: ..... 10.22%  
@ Bisque ..... 6.21%      Total Shrinkage: ..... 6.21%

#### CC549 • Orange Blush

A great wheel clay which contains a natural tooth. Leadfree glazes will give you a craze-free fit at Δ05.

Shrinkage: ..... @ Dry ..... 6.23%      Absorption: ..... 8.23%  
@ Bisque ..... 8.97%      Total Shrinkage: ..... 8.97%

### Absorption and Shrinkage

#### What do the numbers mean?

The shrinkage percentages shown for our clays should be read in proportion to the original dimensions of the thrown or formed piece as wet clay. The percentage for each stage includes the previous stages, so they are cumulative. A piece measuring 10 inches tall made of CC546SC would shrink a total of 9.14% in drying, bisque and glaze firing.

- **@ Dry:** shrinkage due to evaporation of water from the clay, as it reaches a ready-to-fire bone dry state.
- **@ Bisque:** shrinkage due to burnout of organic materials in the bisque firing.
- **Total Shrinkage:** the final stage of shrinkage as you fire the clay to its full temperature and glaze maturity.

The absorption percentages shown are **only** for comparison purposes between our clays. We always recommend extensive testing for your forming technique, glazing style and firing schedule before committing to any installation or use where frost-free or waterproof conditions are important.

*Data on the Coefficient Of Expansion (COE) for all Georgies clays will be available on our website in early 2009 as we finish the extensive testing process necessary.*

# GEORGIES CLAYS

## Cone 06-1 Earthenware Clays

25lb

100lb

1000lb



## Special-Purpose Clay Bodies

25lb

100lb

1000lb

*Δ04. Modeling clay is not always in stock: please call for availability.)*

## Dry Clay Bodies

50lb

100lb

1000lb

## Need a Custom Clay Blend?

Yes, we makes custom clays to your specifications and recipe. Our expert staff will work with you to identify the raw materials necessary to give the performance you need at the best possible price. We make hundreds of tons of custom clays each year. Minimum order size is generally about one ton, but varies with final batch size.

## Dry Clays

We stock a few clay bodies in dry form for you to mix yourself or use to reconstitute your scrap clay. **CCD518 G-Mix 10 and CCD520 G-Mix 6 are suitable for mixing as a casting slip blend.** See our slip mixing directions on page 92.

## About Clay Firmness

Georgies standard pentrometer target in manufacturing clay is 5-6. Here's a brief description of the ranges of firmness:

- 8-9 Hard
- 7-8 Firm
- 5-6 Standard
- 4-5 Soft
- 2-3 Mush. Pudding. Almost liquid.

## GEORGE WRIGHT CLAYS

Both Hair of the Dog and River Dog are heavily grogged sculpture bodies containing nylon fiber. River Dog contains basalt sand which bleeds out in highfire reduction, yielding a rich brown tone. Both clays have a grey-to-toast body color, but River Dog takes on a "stone" character when highfired. Below is George's 1904 pugmill, now on permanent display at Georgies' Portland store.



CCD518	CCD520	CCD521	CCD522	CCD523	CCD524	CCD525	CCD526	CCD527	CCD528	CCD529	CCD530	CCD531	CCD532	CCD533	CCD534	CCD535	CCD536	CCD537	CCD538	CCD539	CCD540	CCD541	CCD542	CCD543	CCD544	CCD545	CCD546	CCD547	CCD548	CCD549	CCD550	CCD551	CCD552	CCD553	CCD554	CCD555	CCD556	CCD557	CCD558	CCD559	CCD560	CCD561	CCD562	CCD563	CCD564	CCD565	CCD566	CCD567	CCD568	CCD569	CCD570	CCD571	CCD572	CCD573	CCD574	CCD575	CCD576	CCD577	CCD578	CCD579	CCD580	CCD581	CCD582	CCD583	CCD584	CCD585	CCD586	CCD587	CCD588	CCD589	CCD590	CCD591	CCD592	CCD593	CCD594	CCD595	CCD596	CCD597	CCD598	CCD599	CCD600
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