

**Bagged Materials**

| Material                       | 125g  | 500g  | 2.5kg  | 5kg    | Bag    | Size  | Comments                                      |
|--------------------------------|-------|-------|--------|--------|--------|-------|---|
| Albany slip                    |       |       |        |        |        |       | N/A: replaced by Alberta Slip                 |
| Alberta slip                   |       |       | 8.65   | 16.35  | 54.15  | 20 kg |   |
| Alumina Hydrate                |       |       | 18.50  | 34.90  | 135.60 | 50 lb |   |
| Alumina Oxide- calcined        |       | 3.90  | 15.40  | 29.30  | 113.00 | 55 lb | 325 mesh.                                     |
| Antimony oxide                 | 6.25  | 22.95 | 106.00 | 200.00 |        | 50 lb |   |
| Ball Clay, KT 1-4              |       |       |        |        | 28.30  | 50 lb |   |
| Ball Clay, OM4                 |       |       |        | 6.95   | 25.96  | 50 lb |   |
| Ball Clay, SGP                 |       |       |        |        | 25.30  | 50 lb |   |
| Banta Clay                     |       |       |        | 5.50   | 19.00  | 50 lb | not available                                 |
| Barium Carbonate               |       |       | 8.75   | 14.95  | 59.50  | 25 kg |   |
| Barnard Slip (sub SG758)       |       |       | 11.10  | 20.90  | 81.00  | 50 lb | Also called Blackbird Slip                    |
| Bentonite-Southern             |       |       | 5.65   | 9.15   | 28.95  | 50 lb |   |
| Bentonite-Vollclay             |       |       | 5.85   | 9.90   | 29.95  | 50 lb | A white bentonite                             |
| Bone Ash                       |       | 7.90  | 34.35  | 65.05  |        | 50 lb | Tricalcium Phosphate, the most commonly used. |
| Bone ash - DICAL               |       | 4.25  | 11.65  | 20.50  | 74.50  | 50 lb | Dicalcium Phosphate                           |
| Boraq                          |       |       |        |        |        | 50 lb | Discontinued                                  |
| Borax - Hydrous                |       |       | 10.50  | 19.80  | 35.60  | 25 lb |   |
| Burnt umber                    | 3.25  | 6.50  | 26.65  |        |        |       |   |
| C1 Clay                        |       |       |        | 8.00   | 23.50  | 50 lb |   |
| CMC Gum                        | 6.30  | 26.25 | 122.00 | 231.00 |        | 50 lb |   |
| Cadycal -Calcium Borate        |       |       |        |        |        | 50 lb | Discontinued                                  |
| Calcium Carbonate              |       |       |        | 6.60   | 16.83  | 50 lb | Also called Whiting.                          |
| Chrome Oxide                   | 7.10  | 25.90 | 113.40 | 201.50 |        | 50 lb |   |
| Chromite                       |       |       |        |        |        |       | see Iron Chromate                             |
| Clay - C1                      |       |       |        |        |        |       | see C1 Clay                                   |
| Clay - PV                      |       |       |        |        |        |       | see Plastic Vitrox                            |
| Clay - XX Sagger               |       |       |        |        |        |       | see XX Sagger Clay                            |
| Cobalt Carbonate               | 20.85 | 72.30 | 278.00 |        |        |       |   |
| Cobalt Oxide                   | 19.00 | 65.00 | 294.00 |        |        |       |   |
| Copper Carbonate               | 6.50  | 24.10 | 112.00 | 212.00 |        | 50 lb |   |
| Copper Oxide                   | 6.05  | 22.35 | 103.20 |        |        |       | Black in the raw state                        |
| Copper sulphate                | 4.25  | 11.50 | 50.65  | 95.00  |        |       |   |
| Cornwall Stone                 |       |       | 8.20   | 15.50  | 59.60  | 50 lb |   |
| Crocus Martis                  |       | 11.85 | 54.00  | 101.00 |        |       |   |
| Cryolite                       |       | 6.10  | 25.90  | 48.70  | 208.00 | 50 lb | Also called Kryolite                          |
| Dolomite                       |       |       |        | 11.10  | 33.50  | 50 lb |   |
| Epsom salts                    |       |       | 14.65  | 27.35  | 108.00 | 50 lb | also called Magnesium Sulphate                |
| Feldspar - Custer              |       |       |        | 10.30  | 29.79  | 50 lb | also called Potash Feldspar or "Potspar"      |
| Feldspar G200                  |       |       | 6.95   | 12.90  | 43.00  | 50 lb |   |
| Feldspar - Minspar 200         |       |       |        | 9.90   | 35.20  | 50 lb | also called Soda feldspar (replaces Kona F4)  |
| Fireclay - Lincoln             |       |       |        | 6.30   | 18.90  | 50 lb |   |
| Fireclay - Plainsman           |       |       |        |        | 20.20  | 50 lb | light color and speck, similar to AP Green    |
| Flint                          |       |       |        |        |        |       | see Silica                                    |
| Fluorspar                      |       |       | 12.30  | 22.90  |        |       |   |
| Frit 3110                      | 4.95  | 20.20 | 38.10  | 147.90 |        | 50 lb | Ferro frit                                    |
| Frit 3124                      | 4.35  | 15.90 | 29.90  | 116.00 |        | 50 lb | Ferro frit                                    |
| Frit 3134                      | 4.55  | 18.00 | 33.90  | 131.40 |        | 50 lb | Ferro frit                                    |
| Frit 3249                      | 11.80 | 52.90 | 101.00 | 388.00 |        | 50 lb | Ferro frit                                    |
| Frit 3269                      | 4.75  | 19.00 | 36.00  | 140.00 |        | 50 lb | Ferro frit                                    |
| Frit 3195                      | 5.40  | 22.30 | 42.10  | 163.00 |        | 50 lb | Ferro frit                                    |
| Frit CC257                     | 3.50  | 13.75 | 26.00  | 99.00  |        | 50 lb | Ferro frit                                    |
| Frit CC279                     | 4.30  | 17.60 | 33.35  | 130.00 |        | 50 lb | Ferro frit                                    |
| Gerstley Borate                |       | 11.15 | 21.00  | 70.70  |        | 50 lb |   |
| Gold art clay                  |       |       |        | 10.60  | 35.30  | 50 lb |   |
| Grog - Coarse                  |       |       |        | 12.45  | 47.18  | 50 lb | Red grog: coarse - 20 mesh                    |
| Grog - Fine                    |       |       |        | 6.45   | 16.25  | 20 kg | Red grog: fine - 80 mesh and finer            |
| Grog: Mulcoa 20 x 50 mesh      |       |       |        |        | 39.95  | 50 lb | call for availability, please                 |
| Grog: Mulcoa 48 (to fines)mesh |       |       |        |        | 41.00  | 50 lb | call for availability, please                 |
| Grog: Mulcoa 20 (to fines)mesh |       |       |        |        | 39.40  | 50 lb | call for availability, please                 |
| Grog - Ione (all mesh sizes)   |       |       |        |        |        |       | N/A: sub Grog: Mulcoa                         |
| Helmar Kaolin                  |       |       |        |        |        |       | see Kaolin, Helmar                            |

**Bagged Materials**

| Material               | 125g  | 500g  | 2.5kg  | 5kg    | Bag    | Size   | Comments  |
|------------------------|-------|-------|--------|--------|--------|--------|---|
| Ilmenite - Powdered    |       | 7.35  | 31.50  | 59.60  |        |        |   |
| Hydrocal - Plaster     |       |       |        |        |        |        | see Plaster - Hydrocal                              |
| Hydrostone - Plaster   |       |       |        |        |        |        | see Plaster - Hydrostone                            |
| Ilmenite - Granular    |       | 5.30  | 22.00  | 41.70  |        | 50 lb  |   |
| Iron (Ferric) Chloride | 7.40  | 24.70 |        |        |        |        |   |
| Iron Chromate          |       | 3.95  | 14.45  | 27.25  |        | 50 lb  | Also called Chromite                                |
| Iron Oxide - Red       |       | 8.50  | 37.10  | 70.30  | 267.00 | 50 lb  |   |
| Iron Oxide - Black     |       | 10.10 | 45.00  | 86.00  | 307.00 | 55 lb  |   |
| Iron Oxide - Yellow    |       | 10.49 | 47.00  | 88.50  | 328.00 | 55 lb  |   |
| Kaolin - Calcined      |       |       | 14.40  | 27.20  | 106.00 | 50 lb  |   |
| Kaolin - EPK           |       |       |        | 10.10  | 31.65  | 50 lb  |   |
| Kaolin - Grolleg       |       |       | 9.65   | 18.10  | 60.50  | 55 lb  |   |
| Kaolin - Helmar        |       |       |        | 11.95  | 39.35  | 20 kg  |   |
| Kaolin - Pioneer       |       |       | 5.70   | 10.60  | 33.40  | 50 lb  |   |
| Kaolin -Tile 6         |       |       |        | 11.35  | 40.40  | 50 lb  |   |
| Kiln Wash              |       | 6.15  | 11.30  | 16.95  | 46.50  | 20 kg  |   |
| Kryolite               |       |       |        |        |        |        | see Cryolite  |
| Kyanite - 48 mesh      |       | 2.95  | 6.15   | 11.20  | 87.00  | 100 lb |   |
| Laguna Borate          |       |       |        |        |        | 50 lb  | Discontinued  |
| Lithium Carbonate      | 10.60 | 40.10 | 188.00 | 356.00 |        | 50 lb  |   |
| Macaloid               | 5.80  | 21.40 | 98.70  | 187.00 |        | 50 lb  |   |
| Magnesium Carbonate    |       | 10.30 | 45.70  | 86.50  | 348.00 | 55 lb  |   |
| Magnesium Sulphate     |       |       |        |        |        |        | see Epsom Salts                                     |
| Manganese Carbonate    |       | 13.80 | 62.00  | 117.00 | 499.00 | 50 lb  |   |
| Manganese Dioxide      |       | 4.00  | 13.90  | 26.40  | 95.00  | 50 lb  |   |
| Manganese Granular     |       | 7.35  | 31.00  | 59.00  |        | 50 lb  |   |
| Mullite - 35 mesh      |       |       | 7.50   | 12.95  | 92.50  | 100 lb | Fired form of Kyanite                               |
| Nepheline Syenite      |       |       | 5.65   | 9.45   | 31.30  | 50 lb  |   |
| Nickel Carbonate       | 11.50 | 44.25 | 207.00 |        |        |        |   |
| Nickel Oxide           | 13.95 | 53.00 | 249.00 |        |        |        |   |
| Petalite               |       | 4.00  | 15.75  | 29.75  | 110.00 | 55 lb  |   |
| Plaster #1             |       |       |        | 8.19   | 28.63  | 50 lb  | Good all-purpose plaster for molds and batts        |
| Plaster - Hydrocal     |       |       |        |        | 38.10  | 50 lb  | Hard plaster  |
| Plaster - Hydrostone   |       |       |        |        | 44.30  | 50 lb  | Hardest plaster, good for Ram press molds           |
| Plaster - Ultracal     |       |       |        |        | 41.2   | 50 lb  | Harder plaster                                      |
| Plastic Vitrox         |       |       |        | 9.30   | 30.90  | 50 lb  | Also called PV Clay.                                |
| Pumice                 |       |       |        |        |        |        | see Volcanic Ash                                    |
| Pyrophyllite           |       |       | 4.65   | 8.70   | 29.00  | 50 lb  |   |
| Ravenscrag slip        |       |       | 7.40   | 13.80  | 38.10  | 20kg   |   |
| Red Art Clay           |       |       |        | 9.90   | 33.30  | 50 lb  |   |
| Rutile - Granular      |       | 9.10  | 40.40  | 77.00  |        | 50 lb  |   |
| Rutile - Milled        |       | 14.20 | 64.20  | 121.70 |        | 50 lb  | less common form of rutile, higher % of impurities. |
| Rutile - Powdered      |       | 14.30 | 64.80  | 122.60 |        | 50 lb  |   |
| Silica                 |       |       |        | 9.39   | 29.30  | 50 lb  | (Flint) Normal silica: 200 mesh. #90 marked on bag. |
| Silica - 325 mesh      |       |       | 8.10   | 15.20  | 50.90  | 50 lb  | Finer mesh silica: 325 mesh. #53 marked on bag      |
| Silica - 525 mesh      |       |       | 7.60   | 14.35  | 49.80  | 50 lb  | Finest mesh silica: 525 mesh. #45 marked on bag     |
| Silica Sand - Speck    |       |       |        | 7.15   | 21.00  | 50 lb  | 50 mesh. Bag is labelled: Lane Mtn 20/30            |
| Silica Sand - White    |       |       |        | 7.79   | 23.05  | 50 lb  | 75 mesh. now 50 lb. bag. Bag is labelled: F710      |
| Silicon Carbide: fine  | 4.50  | 15.70 | 71.30  | 135.00 |        |        | Also labelled FFF                                   |
| Soda Ash - Anhydrous   |       |       | 5.45   | 10.20  | 43.00  | 55 lb  | Anhydrous type = no water                           |
| Spodumene              |       | 3.90  | 15.40  | 29.05  | 115.00 | 50 lb  |   |
| Stannous Chloride      | 17.40 | 67.40 |        |        |        |        | Also called Tin Chloride                            |
| Strontium Carbonate    |       | 4.90  | 19.90  | 37.70  | 131.00 | 50 lb  |   |
| Talc - Pioneer (AMTAL) |       |       | 4.90   | 8.60   | 27.00  | 50 lb  |   |
| Tin oxide              | 13.65 | 52.65 | 247.00 |        |        |        |   |
| Titanium Dioxide       | 4.35  | 12.20 | 54.90  | 104.00 |        | 50 lb  |   |
| Tricalcium Phosphate   |       |       |        |        |        |        | see Bone Ash  |
| Ultracal - Plaster     |       |       |        |        |        |        | see Plaster - Ultracal                              |
| Vanadium Pentoxide     | 19.70 | 77.00 |        |        |        |        |   |
| Vee Gum T              | 6.80  | 24.95 | 116.00 | 219.00 |        | 50 lb  | suspending agent.                                   |

**Bagged Materials**

| Material       | 125g | 500g  | 2.5kg | 5kg    | Bag   | Size | Comments              |
|----------------|------|-------|-------|--------|-------|------|-----------------------|
| Volcanic Ash   | 4.00 | 8.00  | 17.20 | 57.80  | 50 lb |      | Also called Pumice.   |
| Whiting        |      |       |       |        |       |      | see Calcium Carbonate |
| Wollastonite   | 9.29 | 17.45 | 65.80 |        | 50 lb |      |                       |
| XX sagger clay |      | 7.30  | 24.20 |        | 50 lb |      |                       |
| Yellow Ochre   | 7.60 | 32.40 | 61.30 | 238.00 | 50 lb |      |                       |
| Zinc oxide     | 6.20 | 26.60 | 50.40 | 185.00 | 50 lb |      |                       |
| Zircopax       | 5.90 | 24.90 | 47.30 | 161.00 | 50 lb |      |                       |

**Materials - Special Order**  
 Can't find the material that you're looking for in this list? Many more dry materials are available on special order than are listed here, please inquire for pricing and availability.

**Materials - Bulk Quantities**  
 For purchases of larger amounts of bagged materials, we can quote bulk prices, starting at 20 bags of the same material. Material prices are constantly changing and will be dependant upon current freight costs and material values.

**Ferro Frits - General info**

| Number | Type of Frit  |
|--------|---|
| 3110   | Body flux, also used in glazes. High sodium & calcium, low alumina. |
| 3124   | High calcium, zinc free.  |
| 3134   | High in calcium and boron. Wide use range.                          |
| 3195   | Best used in low temp glazes. High boron, calcium and alumina.      |
| CC257  | Frit containing Barium. Safer to use than barium carbonate.         |
| CC279  | Alkaline frit, plus some calcium and boron. Use in 06-05 range.     |

The frits listed above are the most common frits we get asked for, and are the ones that we carry in stock. There are many other frits available on special order. If you are interested in a frit not listed above, please inquire and we will look into it for you. Please note that we don't normally carry lead bearing frits and some very old frits may no longer be available.

**Ferro Frits: analysis**

| Frit Number | Mol. Wt. | K <sub>2</sub> O | Na <sub>2</sub> O | CaO  | Al <sub>2</sub> O <sub>3</sub> | B <sub>2</sub> O <sub>3</sub> | SiO <sub>2</sub> | Fusion Temp. | Common use range.  |
|-------------|----------|------------------|-------------------|------|--------------------------------|-------------------------------|------------------|--------------|--------------------|
| 3110        | 260.6    | .064             | .643              | .293 | .094                           | .098                          | 3.03             | 1400° F      | Cone 08 to cone 8. |
| 3124        | 278.1    | .020             | .282              | .698 | .270                           | .550                          | 2.56             | 1600° F      | Cone 06 to cone 6. |
| 3134        | 190.5    |                  | .316              | .684 |                                | .632                          | 1.47             | 1450° F      | Cone 02 to cone 10 |
| 3195        | 336.4    |                  | .324              | .676 | .412                           | 1.100                         | 2.66             | 1700° F      | Cone 06 to cone 02 |

## Wax Products & Liquid Materials: Assorted

### Liquid Materials

|  | Pint    | Litre   | Gallon   | 4 Litre  |
|--|---------|---------|----------|----------|
| Wax resist.....                                      | \$10.75 | n/a     | \$62.75  | n/a      |
| CMC Gum solution.....                                | \$8.89  | n/a     | \$37.00  | n/a      |
| Darvan.....  | \$11.95 | \$19.95 | n/a      | \$69.95  |
| - for Latex, please see sculpture section of catalog |         |         |          |          |
|  |         |         | 5 Gallon |          |
| Sodium Silicate .....                                | \$5.89  | n/a     | \$26.50  | \$103.00 |

### Solid Wax

Solid paraffin and beeswax are used for easily waxing the bottoms and foot rings of your work. Just melt the wax in an electric skillet and dip your work.

|   |                    |
|---|--------------------|
| Paraffin wax, approx. 4.5 kg. slab..... | \$39.19            |
| Beeswax, 450 grams .....                | \$21.59            |
| Microcrystalline sculpture wax.....     | see sculp. section |

### Wax Pens

These pens are great for drawing on bisqueware. A line thickness of 1mm is achieved. Pen tips should not clog, but if a drop of wax does dry on the pen tip, run it under hot water and then simply remove the excess wax by dabbing it with a sponge.

|                     |        |
|---------------------|--------|
| Wax pens, 2oz ..... | \$6.25 |
|---------------------|--------|

### Patch-a-tatch

Like a glue that you can fire! This premade liquid slip material is for attaching and mending greenware or bisque to allow you to fix your broken pieces with ease.

|                       |        |
|-----------------------|--------|
| Each - 4 oz jar ..... | \$7.30 |
|-----------------------|--------|

### Apt II - Ceramic Enhancer

A watery liquid to be combined with your clay body for mending greenware, thickening slip & many other uses. Adding this to your dry clay scraps allows you to mend pieces with same clay you make your work with. Add it to your glaze to help you glaze vitrified pieces and cover over defects. Please ask us for a handout sheet for more info.

|                       |         |
|-----------------------|---------|
| Each - 2 oz jar ..... | \$10.65 |
|-----------------------|---------|

### Beeswax Hand Lotion

Does clay work dry out your skin? Use this natural protective lotion to give your skin a barrier against the drying nature of clay.

|                 |         |
|-----------------|---------|
| 4 oz. tube..... | \$13.59 |
|-----------------|---------|



**Mason Stains**

**Using Stains**

Stains may be used in clays, slips, glazes, underglazes, in the same way you would use oxides and carbonates. Stains are fritted to ensure better color consistency.

**In Glazes**

Use anywhere from 1-10% stain in the glaze batch. The more stain, the darker the color. Start with 2 - 4%, then vary the amount to suit. When using opacifiers, a zirconium type is recommended (zircopax or superpax). Stain + opacifier should equal about 15% of the glaze. The cobalt blues, chrome-tin pinks, and vanadium yellows will accept tin as an opacifier.

**In Clays & Slips**

A white body is the easiest to add color to. Add stains as you would with a glaze, but add about twice as much as you would add to a glaze, then adjust to personal preference.

**Reference Notes:**

- 1 Can be used as a 'body stain in porcelain at high temperatures. All of the brown colors can be used as 'body stains' but will vary in shade considerably depending on the composition of the body and temperature at which it is fired.
- 1a Use only as a 'body stain'
- 2 Firing limit 1180°C (Cone 4)
- 3 Firing limit 1260°C (Cone 10)
- 4 Firing limit 1080°C (Cone 04)
- 5 Do not use zinc in glaze
- 6 Use with or without zinc
- 7 Zinc not necessary but gives better results
- 8 Best results with no zinc
- 9 Glaze must contain 6.7% to 8.4% CaO (12 -15% CaCO<sub>3</sub>)

**Firing temperatures** are only a rough guide. Firing at 2200° F on a slow schedule may give the equivalent maturing as firing at 2300° F on a fast schedule. The cycle, atmosphere, and rate of cooling will affect the color.

**Zinc oxide** influences the color in a glaze more than any other element. Generally, zincless glazes should contain no magnesium oxide. Some colors containing zinc are to be used in a zincless glaze. The zinc in the color is in a combined form and will not harm the color, but free zinc oxide in the glaze can destroy the color.

**Calcium oxide** content as calcium carbonate should be between 12-15% for best color development. Adding the molecular equivalent of calcium oxide with wollastonite, a natural calcium silicate, often gives better uniformity. The increased silica from the wollastonite must be subtracted or the glaze will have a poor surface.

| Description | Item | 1/4 lb. | Composition | Reference |
|-------------|------|---------|-------------|-----------|
|-------------|------|---------|-------------|-----------|

**Single Calcination Pigments:**

The following are "single calcination" pigments which will continue to be inventoried by Mason Color Works and Greenbarn Potters Supply. Please see the following section for "blended pigments" which are available in limited supply only.

|                          |      |         |                     |            |
|--------------------------|------|---------|---------------------|------------|
| Shell Pink               | 6000 | \$13.00 | Cr Sn               | 3, 5, 9    |
| Alpine Rose              | 6001 | 13.00   | Cr Sn               | 3, 5, 9    |
| Crimson                  | 6003 | 11.60   | Cr Sn               | 3, 5, 9    |
| Deep Crimson             | 6006 | 9.70    | Cr Sn               | 3, 5, 9    |
| Pink: Manganese Alumina  | 6020 | 7.35    | Al Mn               | 1, 3       |
| Dark Red                 | 6021 | 24.95   | Cd Si Zr Se         | 1, 3, 6    |
| Coral                    | 6025 | 16.90   | Zr Cd Se            | 1, 3, 6    |
| Lobster                  | 6026 | 15.45   | Zr Cd Se            | 1, 3, 6    |
| Tangerine                | 6027 | 14.95   | Zr Cd Se            | 1, 3, 6    |
| Orange                   | 6028 | 21.10   | Cd Si Zr Se         | 1, 3, 6    |
| Coral                    | 6032 | 7.40    | Fe Zr               | 3          |
| Pink Extender            | 6067 | 6.90    | Ca Si Sn            | 3, 5       |
| Dark Coral               | 6069 | 5.75    | Cr Sn V             | 3, 5, 9    |
| Dark Red                 | 6088 | 23.65   | Cd Se Si Zr         | 1, 3, 6    |
| Woodland Brown           | 6100 | 7.40    | Al Cr Fe Si Zn      | 3, 6, 7    |
| Chestnut Brown           | 6101 | 5.30    | Cr Fe Mn Zn         | 3, 6, 7    |
| Golden Brown             | 6103 | 5.30    | Al Cr Fe Zn         | 3, 6, 7    |
| Dark Golden Brown        | 6107 | 5.20    | Al Cr Fe Zn         | 3, 6, 7    |
| Walnut Brown             | 6108 | 4.80    | Cr Fe Mn Zn         | 3, 6, 7    |
| Deep Brown               | 6109 | 5.70    | Al Cr Fe Zn         | 3, 6, 7    |
| Violet of Iron           | 6110 | 4.60    | Al Fe Si            | 3, 6, 7    |
| Spice Brown              | 6111 | 7.80    | Fe Sn Zn            | 3, 6, 7    |
| Claret Brown             | 6113 | 4.10    | Cr Fe Zn            | 3, 6, 7    |
| Saturn Orange            | 6121 | 4.90    | Al Cr Fe Zn         | 3, 6, 7    |
| Hazelnut Brown           | 6126 | 8.20    | Al Cr Fe Zn         | 3, 7       |
| Golden Ambrosia          | 6129 | 5.30    | Al Cr Fe Zn         | 3, 6, 7    |
| Titanium Iron            | 6131 | 4.90    | Fe Ti               | 1a, 3, 6   |
| Red Brown                | 6132 | 7.60    | Cr Fe Zn            | 3, 6, 7    |
| Iron Silicate            | 6149 | 5.30    | Fe Si               | 3, 6, 7    |
| Seal Brown               | 6153 | 4.40    | Cr Fe Mn Zn         | 3, 6, 7    |
| Black Brown              | 6155 | 4.90    | Cr Fe               | 3, 6, 7    |
| Dark Chocolate           | 6160 | 4.30    | Al Cr Fe Mn Zn      | 3, 6, 7    |
| Deep Brown               | 6190 | 4.40    | Cr Mn Fe            | 3, 6, 7    |
| Manganese Silicate       | 6194 | 4.10    | Mn Si               | 3, 6, 7    |
| Evergreen                | 6200 | 7.80    | Co Cr Si            | 3, 5       |
| Celadon Green            | 6201 | 7.40    | Al Co Cr Si V       | 1, 3, 6, 8 |
| Florentine               | 6202 | 6.90    | Co Cr Si            | 1, 3, 6, 8 |
| Victoria Green           | 6204 | 8.00    | Ca Cr Si Zr         | 3, 5, 9    |
| Grass Green              | 6206 | 8.10    | Ca Cr Si Zr         | 3, 5, 9    |
| Celeste Green            | 6207 | 5.10    | Co Cr Si Zn         | 1, 3, 6    |
| Chrome Green             | 6209 | 6.90    | Cr Si               | 3, 5       |
| Hemlock                  | 6213 | 8.50    | Cr Co Zn Al         | 1, 3, 6    |
| French Green             | 6219 | 5.60    | Ca Co Cr Si Zn      | 1, 3, 5, 8 |
| Ivy Green                | 6223 | 5.60    | Al Cr Si            | 3, 5       |
| Chartreuse               | 6236 | 12.60   | Sn V Zr             | 1, 3, 6    |
| Bermuda Green            | 6242 | 10.40   | Pr Si V Zr          | 3, 6       |
| Dark Teal Green          | 6254 | 8.20    | Al Co Cr Si Zn      | 1, 3, 6, 8 |
| Jade Green               | 6255 | 8.20    | Al Co Cr Si Zn      | 1, 3, 6, 8 |
| Victoria Green           | 6263 | 5.80    | Ca Cr Si Zr         | 3, 5, 9    |
| Victoria Green           | 6264 | 7.75    | Ca Cr Si Zr         | 3, 5, 9    |
| Peacock Green            | 6266 | 14.30   | Co Cr               | 1, 3, 6, 8 |
| Sea Green                | 6268 | 8.90    | Co Cr Si Zn         | 1, 3, 6, 8 |
| Nickel Silicate          | 6274 | 10.50   | Ni Si               | 1, 3       |
| Avocado                  | 6280 | 11.70   | Al Co Cr Fe V Zn Zr | 3, 6       |
| Mazerine Blue            | 6300 | 13.20   | Co Si Zn            | 1, 3, 6    |
| Violet                   | 6304 | 25.40   | Cr Sn               | 1, 3, 5, 9 |
| Teal Blue                | 6305 | 8.90    | Al Co Cr Si Zn      | 1, 3, 6    |
| Vivid Blue               | 6306 | 8.70    | Al Co Si Zn         | 1, 3, 6    |
| Delphinium Blue          | 6308 | 9.90    | Al Co Sn            | 1, 3, 6    |
| Wedgewood Blue           | 6310 | 13.30   | Al Co Si            | 1, 3, 6    |
| Medium Blue              | 6313 | 12.45   | Co Si Zn            | 1, 3, 6    |
| Blue: Zirconium Vanadium | 6315 | 9.40    | Si V Zr             | 1, 3, 6    |
| Lavender                 | 6319 | 7.80    | Al Co Mn Si Zn      | 1, 3       |
| Delft Blue               | 6320 | 12.80   | Al Co Si Sn Zn      | 1, 3, 6    |
| Cobalt Meta Silicate     | 6338 | 19.95   | Co Si               | 1, 3, 6    |

**Mason Stains**

| Description          | Item | 1/4 lb. | Composition                     | Reference |
|----------------------|------|---------|---------------------------------|-----------|
| Royal Blue           | 6339 | \$9.90  | Al Co Zn                        | 1, 3, 6   |
| Willow Blue          | 6360 | 14.90   | Al Co Cr Si Sn                  | 3, 5      |
| Sky Blue             | 6363 | 7.35    | Al Co Si                        | 1, 3, 6   |
| Turquoise Blue       | 6364 | 9.90    | V Zr                            | 1, 3, 6   |
| Copen Blue           | 6368 | 6.90    | Al Co Si Zn                     | 1, 3, 6   |
| Dark Teal Blue       | 6371 | 10.80   | Al Co Cr                        | 1, 3, 6   |
| Dark Turquoise       | 6374 | 6.50    | Si V Zr                         | 1, 3, 6   |
| Robin's Egg Blue     | 6376 | 9.40    | V Zr                            | 1, 3, 6   |
| Blackberry Wine      | 6381 | 9.50    | Cr Sn Co Si Cr Fe Ni            | 3, 5, 9   |
| Cobalt Aluminate     | 6383 | 12.30   | Al Co                           | 1, 3, 6   |
| Pansy Purple         | 6385 | 13.45   | Cr Sn Co Ca Si                  | 3, 5, 9   |
| Mazerine Blue        | 6388 | 12.80   | Co Si                           | 1, 3, 6   |
| Vanadium Yellow      | 6404 | 16.95   | Sn V                            | 1, 3, 6   |
| Canary Yellow        | 6410 | 12.10   | Pr Si Zr                        | 3, 6      |
| Bright Yellow        | 6421 | 15.30   | (no longer available, sub 6479) | 1, 3, 6   |
| Praseodymium Yellow  | 6450 | 10.10   | Fe Si Zr                        | 3, 6      |
| Zirconium Yellow     | 6464 | 12.20   | V Zr                            | 1, 3, 6   |
| Old Gold             | 6471 | 9.00    | Al Cr Fe Sn V Zn                | 1, 3, 6   |
| Sunshine Yellow      | 6479 | 18.90   | (replaces 6421)                 |           |
| Titanium Yellow      | 6485 | 5.60    | Cr Sb Sn                        | 1a, 3     |
| Sage Grey            | 6500 | 9.10    | Co Cr Ni Si                     | 1, 3, 6   |
| Taupe Grey           | 6503 | 4.30    | Al Cr Fe Si Zr                  | 3, 5      |
| Gun Metal            | 6591 | 8.50    | Co Ni Zr                        | 3, 6      |
| Best Black           | 6600 | 11.95   | Co Cr Fe Ni                     | 1, 3, 6   |
| Onyx Black           | 6612 | 11.70   | Cr Fe Co Ni                     | 1, 3, 6   |
| Black - Cobalt free  | 6650 | 8.50    | Cr Fe                           | 3, 5      |
| Black                | 6657 | 7.10    | Co Cr Fe                        | 3, 5      |
| Black - Cobalt Free  | 6666 | 9.55    | Cr Fe Mn                        | 3, 5      |
| White (extender)     | 6700 | 6.20    | Al Si Zr                        | 3, 6      |
| Tin White (extender) | 6768 | 12.10   | Al Si Sn                        | 3, 6      |

**Blended Pigments:**

Please inquire for Greenbarn's current stock level of these colors because the supply is limited to what we have on hand. These colors can be blended yourself and "recipes" are at [Masoncolor.com](http://Masoncolor.com).

|                     |      |       |                                |            |
|---------------------|------|-------|--------------------------------|------------|
| Rose Pink           | 6002 | 7.80  | Cr Sn (no longer available)    | 3, 5, 9    |
| Crimson             | 6004 | 7.80  | Cr Sn                          | 3, 5, 9    |
| Deep Crimson        | 6005 | 7.80  | Cr Sn                          | 3, 5, 9    |
| Peach               | 6007 | 8.40  | Cr Sn V                        | 3, 5, 9    |
| Peach               | 6008 | 8.30  | Cr Sn V                        | 3, 5, 9    |
| Coral               | 6009 | 7.60  | Cr Sn V                        | 3, 5, 9    |
| Shrimp Pink         | 6022 | 13.90 | Zr Cd Se                       | 1, 3, 6    |
| Clover Pink         | 6023 | 7.10  | Cr Sn V Zr                     | 3, 5       |
| Orange              | 6024 | 16.90 | Zr Cd Se (no longer available) | 1, 3, 6    |
| Persimmon           | 6029 | 4.20  | Al Cr Fe Zn                    | 3, 8       |
| Deep Salmon         | 6031 | 7.10  | Cr Fe Sn                       | 3, 5       |
| Sunset              | 6033 | 13.70 | Zr Cd Se                       | 1, 3, 6    |
| Doll Flesh          | 6052 | 5.40  | Al Cr Fe Mn Zn                 | 1, 3, 6    |
| Chrome Alumina Pink | 6065 | 4.90  | Al Cr                          | 1, 3, 6    |
| Coral               | 6090 | 8.40  | Cr Sn V                        | 3, 5, 9    |
| Flesh               | 6098 | 6.50  | Al Sn V Zr                     | 3, 5, 9    |
| Fawn                | 6104 | 7.80  | Cr Sn V Zr                     | 3, 6, 7    |
| Russet Brown        | 6119 | 4.50  | Ca Cr Fe Zn Zr                 | 3, 6, 7    |
| Cedar Brown         | 6122 | 4.90  | Al Cr Fe Zn                    | 3, 6, 7    |
| Saddle Brown        | 6123 | 4.90  | Al Cr Fe Zn                    | 3, 6, 7    |
| Leather Brown       | 6125 | 4.80  | Al Cr Fe Zn                    | 3, 6, 7    |
| Chocolate Brown     | 6124 | 4.90  | Al Cr Fe Mn Zn                 | 3, 6, 7    |
| Sorrel Brown        | 6133 | 4.90  | Cr Fe Zn                       | 3, 6, 7    |
| Red Brown           | 6134 | 5.30  | Cr Fe Zn                       | 3, 6, 7    |
| Terra Cotta         | 6163 | 4.90  | Al Cr Fe Zn                    | 3, 6, 7    |
| Camel Beige         | 6166 | 5.00  | Al Cr Fe Zn Co Mn Ni           | 1, 3, 6, 7 |
| Pea Green           | 6211 | 9.70  | Sn V Zr (no longer available)  | 1, 3, 6, 8 |
| Turquoise Green     | 6221 | 4.60  | Ca Co Cr Si Zn Zr              | 3, 5       |
| Dark Green          | 6224 | 5.10  | Co Cr Fe Si Zn                 | 3, 5       |
| Dark Leaf Green     | 6226 | 4.90  | Co Cr Fe Si Zn                 | 1, 3, 6, 8 |
| Myrtle Green        | 6234 | 10.80 | Al Co Cr                       | 1, 3, 6, 8 |
| Deep Sea Green      | 6244 | 9.40  | Al Co Cr Si Zn                 | 1, 3, 6, 8 |
| Blue Green          | 6246 | 6.90  | Co Cr Si Sn Zn                 | 3, 6, 8    |

**Mason Color Charts**

Mason color chart is a paper reproduction of 140 stain colors ..... **\$8.85**

**Bulk Mason Stain Pricing:**

Order 1 lb or more of any single stain and receive 25% off its 1/4 lb list price.

**Mason Stain Samples Available!!**

Just doing a few tests? Don't need to purchase the whole quarter pound pkg? Read on!

Each Mason colour is now available in a small snap top, plastic jar. (these are packaged by volume, but they contain approx. 15-20grams). Please note that we offer this sample sized container primarily as a service to assist you in your testing, and that we limit quantities to 12 samples per customer, 1 sample per colour.

Sample Size.....\$2.35

**Stain Composition**

|    |                    |
|----|--------------------|
| Al | Aluminum oxide     |
| B  | Boric oxide        |
| Ca | Calcium carbonate  |
| Co | Cobalt oxide       |
| Cr | Chromium oxide     |
| Fe | Iron oxide         |
| Mn | Manganese dioxide  |
| Ni | Nickel oxide       |
| Pb | Lead oxide         |
| Pr | Praseodymium oxide |
| Sb | Antimony oxide     |
| Si | Silicon dioxide    |
| Sn | Tin dioxide        |
| Ti | Titanium oxide     |
| V  | Vanadium           |
| Zn | Zinc oxide         |
| Zr | Zirconium dioxide  |

**Mason Color Announces Major Changes to the Number of Pigments Being Inventoried:**

Mason Color has advised us that they are reducing the number of stains which they keep in their inventory from around 160 down to about 100.

The stains being removed from their regular stock are blends of the other stains that are still in production and they are easy for you to blend yourself. The "recipe" for each of these blended stains may contain 2-3 other stains and is available to the public on their web page at: [www.MasonColor.com](http://www.MasonColor.com)

Note: While Mason may have reduced their inventory, we still have stock of many of these blended stains so please inquire at Greenbarn for availability.

**Mason Stains**

| Description         | Item | 1/4 lb. | Composition                          | Reference  |
|---------------------|------|---------|--------------------------------------|------------|
| Leaf Green          | 6265 | \$5.20  | Ca Co Cr Si Zn Zr                    | 3, 5, 9    |
| Emerald Green       | 6267 | 5.70    | Ca Co Cr Si Zr                       | 3, 5, 9    |
| Mint Green          | 6271 | 5.40    | Ca Co Cr Si Zn Zr                    | 3, 5, 9    |
| Turquoise Green     | 6288 | 4.80    | Ca Cr Si V Zr (no longer available)  | 3, 5, 9    |
| Dark Spruce Green   | 6296 | 7.90    | Ca Co Cr Si                          | 1, 3, 6, 8 |
| Cadet Blue          | 6302 | 8.30    | Al Co Cr Si Sn Zn                    | 1, 3, 6    |
| Deep Orchid         | 6303 | 8.20    | Al Co Cr Sn                          | 1, 3, 6    |
| Pastel Blue         | 6307 | 5.00    | Al Co Sn Zr                          | 1, 3, 6    |
| Lavender            | 6317 | 7.90    | Al Co Cr Sn Zn                       | 1, 3       |
| Amethyst            | 6318 | 7.90    | Al Co Cr Si Zn                       | 1, 3       |
| Violet              | 6324 | 7.10    | Al Co Cr Si Sa Zn Zr                 | 1, 3       |
| Cobalt Aluminate    | 6330 | 14.90   | Al Co                                | 1, 3, 6    |
| Orchid              | 6331 | 7.80    | Al Co Cr Si Sn                       | 3, 5, 9    |
| Orchid              | 6332 | 9.00    | Al Co Cr Si Sn                       | 3, 5, 9    |
| Lavender            | 6333 | 7.40    | Al Co Cr Si Sn                       | 3, 5, 9    |
| Peacock Blue        | 6336 | 9.50    | Al Co Cr Si Sn Zn                    | 3, 6       |
| Mediterranean Blue  | 6343 | 9.80    | Al Co Cr Si Zn                       | 1, 3, 6    |
| Bright Blue         | 6350 | 5.60    | Al Co Cr Si Sn                       | 1, 3, 6    |
| Turquoise Blue      | 6373 | 6.00    | Co Cr Sn V Zr                        | 3, 6       |
| Cerulean            | 6378 | 6.40    | V Zr (no longer available)           | 1, 3, 6    |
| Navy Blue           | 6386 | 12.10   | Co Cr Fe Ni Si Zn                    | 1, 3, 6    |
| Mulberry            | 6387 | 8.50    | Co Ca Cr Si Sn (no longer available) | 3, 5, 9    |
| Zirconium Vanadium  | 6391 | 6.10    | Si V Zr (no longer available)        | 1, 3, 6    |
| Dusty Lavender      | 6392 | 6.40    | Cr Sn Zr V                           | 3, 5, 9    |
| Turquoise Blue      | 6393 | 6.30    | Al Co Sn V Zr (no longer available)  | 3, 6       |
| Sapphire Blue       | 6389 | 12.80   | Co Al                                | 1, 3, 6    |
| Peacock             | 6396 | 7.40    | Al Co Cr V Zr                        | 1, 3, 6    |
| Deep Peacock        | 6398 | 12.30   | Al Co Cr                             | 1, 3, 6    |
| Naples Yellow       | 6405 | 3.40    | Fe Pr Si Zr (no longer available)    | 3, 6       |
| Buttercup           | 6406 | 5.30    | Fe Pr Si Zr (no longer available)    | 3, 6       |
| Marigold            | 6407 | 4.20    | Fe Pr Si Zr (no longer available)    | 3, 6       |
| Praseodymium Yellow | 6433 | 5.00    | Fe Si Zr (no longer available)       | 3, 6       |
| Vanadium Yellow     | 6440 | 9.60    | Sn V                                 | 1, 3, 6    |
| Pearl Grey          | 6506 | 7.30    | Co Cr Fe Ni Sn                       | 3, 6       |
| Soft Medium Grey    | 6515 | 4.30    | Al Cr Fe Mn Ni Zr                    | 3, 5       |
| Soft Green Grey     | 6523 | 4.50    | Al Co Cr Fe Mn Ni Si Sn Zr           | 3, 5       |
| Shadow Grey         | 6527 | 4.60    | Al Cr Fe Si Sn Zr                    | 3, 5       |
| Charcoal Grey       | 6528 | 9.50    | Co Cr Fe Ni Sn                       | 3, 6       |
| Silver Grey         | 6530 | 9.60    | Co Cr Fe Ni Sn                       | 3, 6       |
| Slate Grey          | 6531 | 12.10   | Al Co Cr Fe Ni Si Sn                 | 1, 3, 6    |
| Mouse Grey          | 6537 | 4.80    | Al Cr Fe Si Sn Zr                    | 1, 3, 8    |
| Blue Grey           | 6540 | 10.10   | Co Cr Fe Ni Sn                       | 3, 6       |
| Neutral Grey        | 6572 | 4.40    | Cr Fe Zr                             | 3, 5       |
| Rose Taupe          | 6573 | 6.10    | Cr Fe Sn V Zr                        | 3, 5       |
| Velvet Black        | 6601 | 9.30    | Co Cr Fe Ni Zn                       | 1, 3, 6    |
| Black               | 6609 | 8.50    | Co Cr Fe Mn Ni Sn                    | 1, 3, 6    |
| Black - Chrome free | 6616 | 11.40   | Co Fe Mn                             | 1, 3, 6    |

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**Glaze Stains**

Stains are fritted pigments that add color to clays, slips, glazes, and underglazes. It is important to keep in mind that color development is affected by the base chemical formula in which the stain will be used, the firing temperature, and the firing method. To test a stain in a glaze, use 2 - 4% as a test amount. This will usually show how the stain will work and will indicate if more or less stain is required. Cobalt blue stains usually require much less stain, try 1%. In general, the more stain, the darker the color. When using opacifiers, zircopax is recommended. To add stains to clays or slips, try 4 - 6% as a starting point, then adjust.

**\* 30% off Blythe stain! \***

Blythe stains are now in limited supply and we are offering them at a 30% discount while we still have stock! This is a great time to up on basic colors at a low price! Stock levels do vary so please inquire if you require bulk amounts of any of these colors. Take 30% off of the listed prices below.

**Blythe Stains, 125gr packages:**

| Code   | Color        | 125 gr  | Comp       | Description   | Max °  |
|--------|--------------|---------|------------|---|--------|
| 14E72  | Black        | \$15.29 | FeCrCo     | Zinc free glaze preferred, full black to grey colors    | 1300°C |
| 114M58 | Maroon       | \$18.55 | CrSnCa     | Best in zinc free, high calcium glazes                  | 1250°C |
| 14T405 | Grey         | \$11.25 | ZrSiFeCoNi | Works well in most glazes                               | 1300°C |
| 14H362 | Brown        | \$10.95 | FeSi       | Consistent in almost all glazes                         | 1300°C |
| 14M124 | Pink         | \$23.85 | CrAlZn     | High zinc and alumina, low calcium needed for this pink | 1300°C |
| 14R221 | Grey Brown   | \$10.95 | ZrSiFeY    | Works well in most glazes                               | 1300°C |
| 14N114 | Turquoise    | \$13.85 | ZrSiY      | * No longer available *                                 | 1330°C |
| 14K193 | Bright Green | \$13.35 | ZrSiPrY    | * No longer available *                                 | 1250°C |
| 14P7   | Coral Red    | \$21.75 | ZrSiCdSSe  | * No longer available *                                 | 1300°C |
| 14H167 | Orange       | \$12.50 | ZrVy       | * No longer available *                                 | 1400°C |
| 14M265 | Lilac        | \$24.85 | CrSn       | * No longer available *                                 | 1250°C |
| 4L114  | Blue         | \$29.15 | CoSi       | * No longer available *                                 | 1400°C |
| 14H686 | Yellow       | \$13.15 | ZrSiPr     | * No longer available *                                 | 1300°C |
| 14M200 | Coral        | \$11.85 | ZrSiFe     | * No longer available *                                 | 1300°C |
| 14M250 | Pink         | \$23.85 | CrSnCa     | * No longer available *                                 | 1250°C |
| 14K139 | Dark Green   | \$15.50 | CrSi       | * No longer available *                                 | 1400°C |