

					
MA6500	MA6600	MA6612	MA6650	MA6700	MA6109
					
MA6117	MA6126	MA6129	MA6000	MA6001	MA6003
					
MA6006	MA6020	MA6025	MA6026	MA6088	MA6097
					
MA6027	MA6028	MA6030	MA6404	MA6450	MA6464
					
MA6471	MA6479	MA6485	MA6200	MA6201	MA6204
					
MA6209	MA6219	MA6236	MA6242	MA6266	MA6268
					
MA6280	MA6300	MA6305	MA6306	MA6308	MA6313
					
MA6339	MA6363	MA6371	MA6376	MA6383	MA6304
					
MA6317	MA6319	MA6381	MA6385		

Key to Composition ... see page 81

Al Aluminum Oxide.....Al ₂ O ₃	Pr Praseodymium Oxide.....Pr ₆ O ₁₁
B Boric Acid.....B ₂ O ₃	Sb Antimony OxideSb ₂ O ₃
Ca Calcium Carbonate.....CaO	Si Silicon Dioxide.....SiO ₂
Co Cobalt Oxide.....CoO	Sn Tin DioxideSnO ₂
Cr..... Chromium Oxide.....Cr ₂ O ₃	Ti..... Titanium DioxideTiO ₂
Fe..... Iron Oxide.....Fe ₂ O ₃	V Vanadium.....V ₂ O ₅
Mn Manganese Dioxide.....MnO ₂	Zn Zinc Oxide.....ZnO
Ni Nickel OxideNiO	Zr Zirconium Dioxide.....ZrO ₂

Using Mason Stains

For use as a stain in clays as well as for brushwork over or under glaze:

- For Δ10: mix 1:1 stain to G200 Feldspar.
- For Δ4-6: mix 1:1 stain to Nepheline Syenite.
- For Δ06: mix 1:1 stain to Ferro Frit 3124 or Frit 3110.

When making your own glazes, liquid glaze should reach the consistency of whole milk. Add Mason Stains by weight as a percentage of dry ingredients. Use .5% to 3% for Green, Black & Blue, or 2% to 8% for Pink, Purple and Yellow.

When mixing your own clay, add Mason Stains by weight as a percentage of dry ingredients: 2% to 5% for Green, Blue or Black, or 5% to 10% for Pink, Purple and Yellow.

Engobes and underglazes should reach consistency of cream. Add Mason Stains by weight as a percentage of dry ingredients: 3% to 10% for Green, Blue & Black, or 8% to 15% for Pink, Purple and Yellow.

When coloring moist clay, allow for 30% water, then add Mason Stains by weight as a percentage of the estimated dry ingredients (ie, 17½lbs dry clay out of 25lbs total wet clay weight).

Reference Notes (see page 81)

- Can use as porcelain body stain (Δ6 & Δ10)
- Max firing limit 2156° F (1180° C)
- Max firing limit 2390° F (1310° C)
- Max firing limit 1976° F (1080° C)
- DO NOT USE ZINC in the glaze
- Stain may be used with or without zinc
- Zinc not necessary, but gives better results
- Best results with NO zinc
- Glaze must contain 6.7%-8.4% calcium oxide

* Encapsulated stains.

• **Zinc-free glazes** should generally not contain magnesium oxide. Some stain colors containing zinc should be used in glazes without additional zinc. The zinc-free oxide can change the glaze’s fired color.

• **Calcium oxide** content (in calcium carbonate) should be 12-15% for best color. Adding the molecular equivalent of calcium oxide with Wollastonite often gives better uniformity, but you should factor in Wollastonite’s higher silica content.

	Composition	Notes	1oz	1/4lb	1/2lb	1 lb	5 lbs
Gray, Blacks & White							
MA6500.....Gray, Sage	Co Cr Ni Si	1-3-6.....	\$3.25.....	\$7.23.....	\$13.10	\$23.80	\$108.00
MA6600.....Black, Best.....	Co Cr Fe Ni	1-3-6.....	\$3.00.....	\$8.10.....	\$14.70	\$26.70	\$121.00
MA6612.....Black, Onyx	Co Cr Fe Ni	1-3-6.....	\$4.25.....	\$10.10.....	\$18.35	\$33.30	\$151.00
MA6650.....Black (<i>no cobalt</i>)	Cr Fe.....	3-5.....	\$3.00.....	\$6.50.....	\$11.80	\$21.40	\$97.00
MA6700.....White (Basic)	Al Si Zr	3-6-8.....	\$3.00.....	\$4.60.....	\$8.35.....	\$15.10	\$68.50
Browns							
MA6109.....Deep Brown.....	Al Cr Fe Zn.....	3-6-7.....	\$4.00.....	\$6.23.....	\$11.30	\$20.50	\$93.00
MA6117.....Redwood.....	Al Cr Fe Zn.....	3-6-7.....	\$3.00.....	\$5.85.....	\$10.60	\$19.20	\$87.00
MA6126.....Hazelnut Brown.....	Al Cr Fe Zn.....	3-7.....	\$3.00.....	\$6.00.....	\$10.90	\$19.80	\$90.00
MA6129.....Golden Ambrosia.....	Al Cr Fe Zn.....	3-6-7.....	\$3.00.....	\$5.60.....	\$10.15	\$18.40	\$83.50
Pinks & Reds							
MA6000.....Shell Pink.....	Ca Cr Si Sn	3-5-9.....	\$4.25.....	\$10.25.....	\$18.60	\$33.80	\$153.50
MA6001.....Alpine Rose.....	Ca Cr Si Sn	3-5-9.....	\$4.25.....	\$10.23.....	\$18.55	\$33.70	\$153.00
MA6003.....Crimson.....	Ca Cr Si Sn	3-5-9.....	\$4.25.....	\$10.35.....	\$18.80	\$34.10	\$155.00
MA6006.....Crimson, Deep.....	Ca Cr Si Sn	3-5-9.....	\$4.25.....	\$10.55.....	\$19.15.....	\$34.80	\$158.00
MA6020.....Pink Manganese	Al Mn	1-3.....	\$4.00.....	\$5.63.....	\$10.20	\$18.50	\$84.00
MA6025.....Coral Red *	Cd Se Si Zr	1-3-6.....	\$4.25.....	\$11.90.....	\$21.60	\$39.20	\$178.00
MA6026.....Lobster Red *	Cd Se Si Zr	1-3-6.....	\$4.25.....	\$10.10.....	\$18.35	\$33.30	\$151.00
MA6088.....Dark Red *	Cd Se Si Zr	1-3-6.....	\$5.00.....	\$17.05.....	\$31.00.....	\$56.30	\$255.50
MA6097.....Red *	Cd Se Si Zr	1-3-6.....	\$5.00.....	\$16.58.....	\$30.10.....	\$54.70	\$248.50
Oranges							
MA6027.....Tangerine.....	Cd Se Zr	1-3-5.....	\$4.25.....	\$10.08.....	\$18.30	\$33.20	\$150.50
MA6028.....Orange *	Cd Se Si Zr	1-3-6.....	\$5.00.....	\$16.60.....	\$30.15.....	\$54.80	\$249.00
MA6030.....Mango Orange.....	Cd Se Zr	1-3-6.....	\$5.00.....	\$16.60.....	\$30.15.....	\$54.80	\$249.00
Yellows							
MA6404.....Vanadium	Al Sn V	1-3-6.....	\$5.00.....	\$14.23.....	\$25.85	\$47.00	\$213.50
MA6450.....Praseodymium	Pr Si Zr.....	3-6.....	\$3.00.....	\$8.60.....	\$15.60	\$28.30	\$128.50
MA6464.....Zirconium.....	Ti V Zr	1-3-6.....	\$4.25.....	\$10.78.....	\$19.55	\$35.50	\$161.00
MA6471.....Old Gold	Al Cr Fe Sn V Zn	1-3-6.....	\$4.25.....	\$10.60.....	\$19.25	\$35.00	\$159.00
MA6479.....Sunshine Yellow	Cd Se Si Zr	3-6.....	\$5.00.....	\$15.58.....	\$28.30	\$51.40	\$233.50
MA6485.....Titanium.....	Cr Sb Ti.....	1a-3.....	\$4.25.....	\$8.23.....	\$14.95	\$27.10	\$123.00
Greens							
MA6200.....Evergreen	Co Cr Si	3-5.....	\$3.00.....	\$5.90.....	\$10.70	\$19.40	\$88.00
MA6201.....Celadon.....	Al Co Cr Si Zn	1-3-6-8.....	\$3.00.....	\$5.50.....	\$10.00.....	\$18.10.....	\$82.00
MA6204.....Victoria.....	Ca Cr Si Zr.....	3-5-9.....	\$3.00.....	\$5.68.....	\$10.30.....	\$18.70	\$85.00
MA6209.....Chrome Green.....	Cr Si.....	3-5.....	\$3.00.....	\$7.65.....	\$13.90	\$25.20	\$114.50
MA6219.....French.....	Ca Co Cr Si Zn.....	1-3-5-8.....	\$3.00.....	\$5.85.....	\$10.60	\$19.20	\$87.00
MA6236.....Chartreuse.....	Si Ti V Zr	1-3-6.....	\$4.25.....	\$11.65.....	\$21.15	\$38.40	\$174.50
MA6242.....Bermuda.....	Pr Si V Zr	1-3-6.....	\$3.00.....	\$8.43.....	\$15.30	\$27.80	\$126.00
MA6266.....Peacock	Co Cr.....	1-3-6-8.....	\$4.25.....	\$10.25.....	\$18.60	\$33.80	\$153.50
MA6268.....Sea Green.....	Co Cr.....	1-3-5-9.....	\$3.00.....	\$6.80.....	\$12.35	\$22.40	\$101.50
MA6280.....Avocado	Al Co Cr Fe Si Ti V Zn Zr	3-6.....	\$4.00.....	\$10.15.....	\$18.45	\$33.50	\$152.00
Blues							
MA6300.....Mazerine.....	Co Si Zn	1-3-6.....	\$4.00.....	\$9.48.....	\$17.20	\$31.20	\$141.50
MA6305.....Teal	Al Co Cr Si Zn	1-3-6.....	\$3.00.....	\$6.93.....	\$12.55	\$22.80	\$103.50
MA6306.....Vivid	Al Co Si Zn.....	1-3-6.....	\$3.00.....	\$6.58.....	\$11.95	\$21.70	\$98.50
MA6308.....Delphinium	Al Co Sn	1-3-6.....	\$3.00.....	\$8.10.....	\$14.70	\$26.70	\$121.00
MA6313.....Medium Blue	Co Si Zn.....	1-3-6.....	\$3.00.....	\$7.83.....	\$14.20	\$25.80	\$117.00
MA6339.....Royal	Al Co Zn	1-3-6.....	\$3.00.....	\$7.83.....	\$14.20	\$25.80	\$117.00
MA6363.....Sky	Al Co Si	1-3-6.....	\$3.00.....	\$5.65.....	\$10.25	\$18.60	\$84.50
MA6371.....Teal, Dark	Al Co Cr.....	1-3-6.....	\$3.00.....	\$9.15.....	\$16.60	\$30.10	\$136.50
MA6376.....Robin’s Egg.....	Si V Zr	1-3-6.....	\$3.00.....	\$7.43.....	\$13.50	\$24.50	\$111.00
MA6383.....Cobalt.....	Al Co	1-3-6.....	\$4.00.....	\$9.85.....	\$17.90	\$32.50	\$147.50
Purples							
MA6304.....Violet Chr/Tin	Cr Si Sn	3-5.....	\$6.00.....	\$18.63.....	\$33.85	\$61.50	\$279.50
MA6317.....Lavender.....	Co Al Si Zn Cr Sn.....	3-5-9.....	\$3.00.....	\$9.30.....	\$16.90	\$30.70	\$139.50
MA6319.....Lavender.....	Al Co Mn.....	1-3.....	\$3.00.....	\$5.75.....	\$10.45	\$19.00	\$86.00
MA6381.....Blackberry Wine	Ca Co Cr Fe Ni Si Sn	3-5-9.....	\$4.25.....	\$10.45.....	\$19.00	\$34.50	\$156.50
MA6385.....Pansy Purple.....	Ca Co Cr Si Sn.....	3-5-9.....	\$4.25.....	\$10.40.....	\$18.90	\$34.40	\$156.00