

Plaster



ClayPeople is the Northern California distributor for USG plasters. For individual product data sheets see www.gypsumsolutions.com, or ask us and we will give you one for free. Consistency represents the number of lbs. of water mixed for every 100 lbs. of plaster. Contact ClayPeople staff for assistance choosing the right plaster to fit your project.

CERAMIC PLASTERS

CERAMICAL

Low consistency gypsum cement. Smooth wearing mold material for use in pressing clay ware. Characterized by low absorption and specified for use with RAM automatic forming equipment. Consistency: 40.

POTTERY PLASTER #1

Highly uniform, noted for outstanding performance and long life. The standard of the industry, it is the best material available for slip casting or jigger molds. Consistency: 70.

PURITAN PLASTER

Slightly more dense, longer wearing mold material recommended for jiggering applications. Most wearresistant plaster made for molds. Consistency: 66.

STATUARY PLASTERS

HYDROSTONE

Develops the highest compressive strength of any gypsum cement. Strongest and fastest super-strength gypsum cement available. Consistency: 32.

TUFSTONE

This gypsum cement is a polymer modified, fibered casting material specifically manufactured for solid cast giftware applications. TufStone has been formulated with polymer and fiber to provide superior impact strength and resiliency, resulting in improved chip resistance and reduced breakage. Consistency: 32.



USG representatives lead a free seminar on plaster at ClayPeople.

GENERAL USE PLASTERS

HYDROCAL WHITE

White gypsum cement that can be carved or built-up. It is a good choice for finished pieces such as sculptures, lamp bases and architectural elements. Consistency: 45.

NO. 1 CASTING PLASTER

Similar to 30 Minute Casting Plaster, but with a less porous surface because of surface hardeners added for strength. Use consistency: 65.

TOOLING AND MASTER MOLDS PLASTERS

HYDROCAL B-11

Low expansion and dimensional accuracy. Plasticity for more gradual setting action makes it more suitable for buildup or template-formed models. Consistency: 42.

ULTRACAL 30

Surface hardness and compressive strength are higher and setting expansion is lower than Hydrocal B-11, but has similar workability and setting characteristics. Consistency: 38.

SPECIAL APPLICATION PLASTERS

DENTAL PLASTER, LAB.

This is a general dental application plaster with a set time between 6 and 9 minutes. Consistency: 70.

HYDROCAL FGR 95

Unique, high strength gypsum cement for use with glass fiber for fabricating reinforced gypsum cement products. Consistency: 25-30.

GARDENCAST

A uniform white color cement that takes paint handily and provides great performance regardless of cast size. No toxic compounds, requires no special solvents, and is designed specifically for use outdoors. Mixed 50/50 with sand. Consistency: 12.5.

Plaster

Plaster Pricing

Prices are per 100 lbs. or fraction thereof. Please combine plasters for volume discounts.

Product	50#	100#	500#	1,000#	2,000#	4,000#	8,000#
Ceramical	34.94	66.18	59.58	57.48	52.07	48.89	47.48
Dental Plaster, Lab.	25.42	48.14	43.34	42.04	38.14	35.74	34.74
Garden Cast	46.30	87.50	78.60	76.00	68.80	64.40	62.50
Hydrocal B-11	32.08	60.45	54.46	52.66	47.66	44.66	43.46
Hydrocal FGR-95	35.46	67.12	60.52	58.42	52.92	49.51	48.22
Hydrocal White	29.07	55.23	49.63	47.83	43.53	40.63	39.62
Hydrostone	32.67	61.73	55.73	53.83	48.84	45.84	44.64
No. 1 Casting Plaster	19.73	37.47	33.86	32.77	29.66	27.87	26.97
Pottery Plaster No. 1	21.89	41.41	37.33	36.10	32.94	30.69	29.88
Puritan Plaster	25.11	47.45	42.84	41.20	37.38	35.06	34.14
TufStone	39.95	75.69	68.39	65.99	59.99	56.69	54.69
Ultralcal 30	31.78	60.38	54.43	52.68	47.77	44.80	43.46



Plaster Tip

Presley Martin
Customer Service

Ask us to help you find the plaster to fit your specific needs. We have the largest selection of USG plasters in Northern California.

We also have lots of free literature that contains specifications, mixing instructions and other valuable information.

USG's web page www.gypsumsolutions.com also contains helpful information, including all USG literature.

Plaster Additives

SODATE RETARDER

By adding a small amount of Sodate Retarder, the setting time of plaster or gypsum can be delayed. A quarter to two tablespoons is all that is needed per 100 pounds of plaster. Dissolve in water before adding plaster.

1 lb. **\$6.30**
5 lbs. **\$5.21/lb.**

USG PLASTER RETARDER

More powerful than Sodate Retarder. Extends plaster set time by 30 to 40 minutes, or more.
1.25 lb. tub **\$11.95**

DEXTRIN

A 2% to 4% addition of Dextrin to plaster/gypsum will increase the surface strength and aid in resistance to abrasion of finished pieces. Dissolve in water before adding plaster/gypsum.

1 lb. **\$3.38**
5 lbs. **\$2.49/lb.**

TERRA ALBA #1

An accelerator used to speed up the set time of most plaster and gypsum cements.

1 lb. **\$2.26**
5 lbs. **\$1.44/lb.**

Raw Materials

Frits

Frit	1#	5#	10#	25#	50#	100#	500#	1000#	2000#
3110	2.95	2.44	2.19	1.94	1.69	1.57	1.49	1.46	1.43
3124	2.24	1.85	1.66	1.46	1.27	1.19	1.13	1.12	1.09
3134	2.56	2.13	1.90	1.69	1.46	1.36	1.30	1.28	1.24
3195	3.02	2.49	2.24	1.98	1.72	1.61	1.54	1.51	1.47
3249	6.52	5.40	4.84	4.28	3.74	3.46	3.32	3.25	3.16
3264	3.62	3.00	2.69	2.38	2.07	1.92	1.84	1.80	1.76
3269	3.25	2.68	2.42	2.12	1.85	1.73	1.66	1.61	1.57
3292	2.74	2.27	2.04	1.79	1.57	1.47	1.39	1.36	1.33
3336	2.86	2.37	2.13	1.88	1.63	1.52	1.46	1.42	1.39
3403	5.88	4.88	4.36	3.86	3.37	3.12	2.99	2.94	2.86
3470	5.99	4.96	4.45	3.93	3.43	3.18	3.05	2.99	2.90
5301	3.67	3.04	2.71	2.41	2.09	1.95	1.86	1.83	1.78
CC250	2.72	2.26	2.01	1.79	1.56	1.44	1.38	1.36	1.32
CC263	3.33	2.76	2.47	2.19	1.91	1.77	1.70	1.66	1.62
CC270	3.07	2.54	2.29	2.01	1.76	1.64	1.57	1.53	1.49
CC274	2.92	2.42	2.18	1.92	1.67	1.55	1.50	1.45	1.42
CC279	3.57	2.96	2.66	2.36	2.04	1.91	1.82	1.79	1.74
FA233	3.44	2.84	2.54	2.26	1.96	1.82	1.75	1.71	1.67
FB268	3.06	2.54	2.28	2.01	1.76	1.63	1.55	1.52	1.47
FB276	3.13	2.59	2.32	2.06	1.78	1.67	1.60	1.56	1.52
FB284	2.84	2.36	2.11	1.86	1.63	1.50	1.44	1.41	1.38
GF 27	4.85	4.03	3.60	3.18	2.77	2.57	2.46	2.43	2.35
TR1132	5.34	4.43	3.97	3.52	3.06	2.83	2.72	2.67	2.59

Dry Clay Pricing

Prices are per lb. Please combine dry clays for volume discounts.

Product	1#	5#	10#	25#	50#	100#	500#	1000#	2000#	5000#
6 TILE KAOLIN	2.54	1.90	1.58	1.27	0.79	0.64	0.59			
AJAX P KAOLIN	1.63	1.24	1.03	0.83	0.68	0.55	0.47			
ALBERTA SLIP	4.76	3.33	2.86	2.48	2.28	1.90	1.59			
ARROYO SLIP	1.69	1.18	1.00	0.88	0.81	0.66	0.56			
BARNARD CLAY SUB	2.93	2.06	1.75	1.53	1.40	1.17	0.98			
BENTONITE	2.35	1.64	1.42	1.22	1.13	0.93	0.41			
C-1 CLAY	2.03	1.03	1.05	0.82	0.47	0.37	0.31			
CARBONDALE RED	2.48	1.34	1.02	0.83	0.36	0.28	0.19			
EPK (CHINA KAOLIN)	2.69	1.75	1.33	1.08	0.67	0.53	0.39	0.37	0.36	0.34
GLOMAX LL (CALCINED CHINA CLAY)	3.22	1.74	1.34	1.22	1.07	1.00	0.89			
GREENSTRIPE	1.60	1.04	0.79	0.64	0.28	0.15	0.15			
GROLLEGE KAOLIN (ENG.)	2.11	1.48	1.27	1.11	1.01	0.85	0.78			
HELMER KAOLIN	3.46	2.41	2.07	1.78	1.63	1.38	1.29			
IMCO 400 AIR FLOAT LINCOLN	1.79	0.98	0.78	0.72	0.32	0.18	0.18	0.17	0.15	0.14
IONE KAOLIN	1.70	1.10	0.84	0.68	0.30	0.19	0.17	0.16	0.15	0.14
KENTUCKY BALL OM-4	2.18	1.42	1.10	0.88	0.39	0.24	0.22	0.21	0.19	0.18
KINGSLEY KAOLIN	1.76	1.33	1.12	0.89	0.55	0.44	0.30			
LINCOLN FIRECLAY	1.58	0.80	0.62	0.49	0.22	0.12	0.12	0.12	0.11	0.10
MULLITE 200M	2.85	2.60	2.36	2.23	1.99	0.89	0.62	0.91	0.87	0.83
PV CLAY	2.46	1.59	1.23	0.99	0.43	0.25	0.23	0.22	0.20	0.19
RED ART CLAY	1.33	0.98	0.76	0.55	0.38	0.36	0.33			
SEATTLE SLIP	3.18	2.22	1.91	1.66	1.52	1.28	1.06			
TENNESSEE BALL #1 (SGP #1)	2.13	1.07	0.95	0.76	0.44	0.38	0.28	0.26	0.24	0.23

Raw Materials



Raw Materials Tip

Presley Martin
Customer Service

Please don't take chances. When working with raw materials, it is important to wear latex gloves and respirators.

Check out our safety equipment on page 28. You'll be glad you did.

PRODUCT	1/4#	1/2#	1#	5#	10#	25#	50#	100#	500#	1000#	2000#	5000#
Alumina, Calcined			3.38	3.13	2.88	2.76	2.51	2.13	1.857			
Alumina Hydrate			2.65	2.44	2.23	2.13	1.93	1.63	1.508			
Antimony Oxide	3.87	7.00	13.25	12.31	12.09	11.99	11.77	11.00	10.238			
Barium Carbonate			2.45	2.23	2.02	1.91	1.70	1.43	1.324			
Bentone EW			10.29	8.48	7.71	6.43	5.91	5.53	5.141			
Bone Ash			2.19	1.96	1.72	1.61	1.38	1.17	1.025			
Borax			1.67	1.46	1.26	1.15	0.95	0.80	0.700			
Boric Acid			3.37	3.13	2.91	2.78	2.56	2.18	1.892			
Ceraflux (Lead Bisilicate)							6.67	5.67	4.939			
Chromium Oxide	2.64	4.56	7.67	7.47	7.26	7.16	6.95					
Cobalt Carbonate	18.79	32.88	58.71	51.66	46.97	45.81	45.33	44.94	43.867			
Cobalt Oxide	21.14	39.92	75.15	65.76	61.06	58.71	58.12	57.55	56.950			
Copper Carbonate	2.67	4.62	7.81	7.60	7.40	7.29	7.09	5.98	5.536			
Copper Oxide	2.77	4.83	8.21	8.00	7.80	7.69	7.49	6.99	6.510			
Cornwall Stone			3.83	3.59	3.33	3.21	2.94	2.52	2.192			
Cryolite			4.24	4.01	3.81	3.71	3.49	2.97	2.581			
Dolomite 200m			1.33	1.09	0.84	0.72	0.47	0.37	0.257	0.238	0.226	0.216
Erbium Oxide	29.00	42.73	68.19	55.97	50.88							
Feldspar, Custer			1.16	0.96	0.75	0.65	0.44	0.36	0.246	0.227	0.217	0.207
Feldspar, G-200-potash			1.69	1.45	1.21	1.09	0.85	0.73	0.528	0.485	0.464	0.443
Feldspar, F-4 Kona			0.93	0.81	0.68	0.62	0.49	0.43	0.307	0.283	0.271	0.290
Flourspar			3.09	2.68	2.24	2.04	1.61	1.38	1.192			
Gersily Borate			1.82	1.56	1.30	1.18	0.92	0.78	0.681			
Grog, Buff 20m			1.59	1.32	1.04	0.90	0.62	0.54	0.468			
Grog 35m			2.19	1.86	1.54	1.36	1.04	0.91	0.648	0.595	0.570	0.542
Gum, CMC 7L	4.53	8.26	14.92	14.70	14.47	14.36	14.13	13.21	12.286			
Iron Chromate			2.03	1.81	1.59	1.49	1.28	1.08	0.945			
Iron Oxide, Black			4.39	4.18	3.98	3.87	3.67	3.42	3.188			
Iron Oxide, Red			3.05	2.83	2.62	2.51	2.30	2.15	1.998			
Iron Oxide, Yellow			4.56	4.35	4.14	4.03	3.82	3.57	3.315			
Kiln Wash			2.41	2.20	2.00	1.90	1.69	1.59	1.475			
Lithium Carbonate - Fine	3.48	6.24	11.02	10.80	10.59	10.49	10.29	9.62	8.938			
Lithium Floride	7.53	14.32	27.12	26.90	26.69	26.57	26.36	25.74	25.107			
Macaloid	3.95	7.07	12.46	12.22	11.98	11.86	11.62	10.87	10.104			
Magnesium Carbonate			4.87	4.64	4.41	4.28	4.06	3.79	3.530			
Manganese Carbonate			7.19	6.97	6.76	6.64	6.43	6.02	5.594			
Manganese Dioxide 325m			2.29	2.03	1.78	1.66	1.40	1.19	1.098	1.015	0.970	0.923
Marblewhite 30			1.29	1.08	0.88	0.77	0.57	0.26	0.180	0.166	0.159	0.151
Marblewhite 80			1.34	1.13	0.93	0.82	0.62	0.28	0.192	0.176	0.169	0.161

Raw Materials

PRODUCT	1/4#	1/2#	1#	5#	10#	25#	50#	100#	500#	1000#	2000#	5000#
Mica 325m			2.40	2.19	1.99	1.88	1.68	1.57	1.463			
Molochite 120m			4.83	4.46	4.11	3.91	3.56	3.01	2.776			
Mullite 200m			2.77	2.53	2.30	2.17	1.94	0.87	0.605			
Neodymium Oxide	18.67	27.52	43.90	36.05	32.77							
Nepheline Syenite-A270			1.68	1.46	1.24	1.12	0.90	0.44	0.278	0.257	0.247	0.235
Nickle Carbonate	13.79	26.18	49.58	49.19	48.79	48.60	48.19	47.06	45.901			
Nickle Oxide, Black	13.77	26.34	50.25	49.91	49.56	49.40	49.05	47.88	46.708			
Ochre, Yellow			4.01	3.79	3.57	3.46	3.24	3.03	2.823			
Petalite			2.40	2.19	1.99	1.88	1.68	1.42	1.310	1.205	1.153	1.101
Potassium Carbonate			2.68	2.47	2.27	2.16	1.96	1.82	1.702			
Praseodymium Oxide	15.60	22.99	36.66	30.10	27.37							
Pumice 3F			2.23	1.99	1.73	1.61	1.36	1.17	1.073	0.992	0.949	0.902
Pyrophyllite			3.24	2.98	2.71	2.59	2.32	2.32	2.316			
Rutile, Ceramic Grade			5.63	5.42	5.19	5.09	4.86	4.54	4.226			
Rutile, Granular			3.07	2.83	2.60	2.47	2.24	2.09	1.949			
Silica 200m			1.41	1.19	0.96	0.85	0.62	0.32	0.195	0.180	0.172	0.164
Silica 325m			1.61	1.38	1.16	1.05	0.82	0.40	0.255	0.235	0.225	0.215
Silica Amorphous 400m			1.64	1.43	1.23	1.12	0.92	0.78	0.677			
Silica Sand 30m			1.34	1.08	0.82	0.69	0.43	0.35	0.290			
Silica Sand 60m			1.34	1.08	0.82	0.69	0.43	0.35	0.290			
Silica Sand Oky #1			1.33	1.12	0.92	0.81	0.61	0.31	0.192	0.176	0.169	0.162
Silicon Carbide			9.36	9.16	8.95	8.85	8.64	8.09	7.521			
Soda Ash			1.54	1.30	1.06	0.93	0.70	0.57	0.463			
Sodium Bicarbonate			2.51	2.28	2.06	1.94	1.73	1.47	1.280			
Sodium Sulfate			2.90	2.57	2.24	2.09	1.76	1.50	1.307			
Spodumene			2.80	2.51	2.24	2.09	1.81	1.53	1.413	1.299	1.244	1.187
Strontium Carbonate			3.37	3.16	2.96	2.85	2.65	2.48	2.304			
Talc, Pioneer 200m			1.41	1.19	0.97	0.87	0.65	0.32	0.203	0.186	0.179	0.171
Tin Oxide C	10.31	16.85	29.96	28.08	25.29	22.69	22.32	21.80	20.650			
Titanium Dioxide			5.41	5.20	5.00	4.89	4.69	4.38	4.076			
Tri-Calcium Phosphate			5.52	5.20	4.87	4.71	4.38	4.10	3.806			
Umber, Burnt			3.35	3.14	2.94	2.83	2.63	2.46	2.285			
Vanadium Pentoxide	6.94	13.15	24.86	24.66	24.45	24.35	24.14					
Vermiculite 30m			4.54	3.40	2.83	2.34						
Whiting			1.47	1.24	1.02	0.90	0.68	0.35	0.213	0.196	0.187	0.178
Wollastonite W-30			1.63	1.40	1.16	1.05	0.82	0.71	0.514	0.473	0.451	0.432
Zinc Oxide			5.55	5.35	5.14	5.04	4.83	4.07	3.770	3.468	3.318	3.167
Zirconium G Milled			2.50	2.30	2.09	1.99	1.78	1.68	1.556			
Zircopax Plus			2.91	2.71	2.50	2.40	2.19	1.85	1.717	1.580	1.511	1.442



Raw Materials Tip

Darren Cockrell
Operations Manager

When making glazes from raw materials, you should always wet sieve the ingredients. Most ingredients will fit through a 60 mesh sieve. For larger batches ball milling is important to thoroughly mix the ingredients.

We have a large selection of sieves on page 30.

The Van Ho ball mill is a great value. See it on page 78 along with a selection of ball mill jars.