

Electrochemical Equivalents



Calculated on basis of 100% cathode efficiency

Metal	Symbol	Valence	Atomic Weight	Specific Gravity	Weight oz./sq. ft. for 0.001"	Thickness in inches of 1 oz./sq. ft.	Grams Deposited Per Amp. Hr.	Ounces Per Amp. Hr.	Amp. Hr. Per Sq. Ft. to Deposit 0.001"
Antimony	Sb	3	121.75	6.62	0.56	0.0018	1.514	0.053	10.4
Arsenic	As	3	74.92	5.72	0.47	0.00213	0.932	0.033	14.4
Cadmium	Cd	2	112.40	8.65	0.71	0.00139	2.097	0.074	9.73
Chromium	Cr	6	52.00	7.2	0.59	0.00169	0.323	0.011	51.8
Cobalt (ous)	Co	2	58.93	8.9	0.74	0.00135	1.099	0.039	19
Copper (ous)	Cu	1	63.54	8.96	0.74	0.00134	2.37	0.084	8.89
Copper (ic)	Cu	2	63.54	8.96	0.74	0.00134	1.186	0.042	17.8
Gold (ous)	Au	1	197.0	19.3	1.47*	.00068*	7.348	.236*	6.2
Gold (ic)	Au	3	197.0	19.3	1.47*	.00068*	2.449	.079*	18.6
Indium	In	3	114.82	7.31	.56*	.00182*	1.428	.045*	12
Iron (ous)	Fe	2	55.85	7.86	0.65	0.00153	1.042	0.037	17.9
Lead	Pb	2	207.19	11.34	0.94	0.00106	3.865	0.136	6.9
Nickel	Ni	2	58.71	8.9	0.74	0.00135	1.095	0.039	19
Palladium	Pd	2	106.40	12	.86*	.00116*	1.985	.064*	13.5
Platinum	Pt	4	195.09	21.41	1.60*	.00062*	1.819	.058*	27.8
Rhodium	Rh	3	102.91	12.4	.95*	.00106*	1.28	.041*	22.9
Silver	Ag	1	107.87	10.5	.79*	.00126*	4.024	.129*	6.2
Tin (ous)	Sn	2	118.69	7.3	0.61	0.00164	2.214	0.078	7.8
Tin (ic)	Sn	4	118.69	7.3	0.61	0.00164	1.106	0.039	15.6
Zinc	Zn	2	65.38	7.14	0.59	0.00168	1.219	0.043	14.3

* These figures are for 1 troy ounce per square foot.