

Ferrous & Non Ferrous Solutions

SIFCO Solution		Characteristics			
Solution	Code	PH	g/Liter	Hardness Brinell	HRc
Cadmium (Acid)	SPS 5050	0.6	147	17	N/A
Cadmium LHE	SPS 5070	7.7	100	26	N/A
Cadmium(Alkaline)	SPS 5100	9.2	70	22	N/A
Chromium(Neutral)	SPS 5150	7.8	57	555	55
Chromium(Acid)	SPS 5155	0.5	208	650	62
Chromium Cap	SPS 5708	2.5	90	555	55
Cobalt(Machinable)	SPS 5200	2.3	80	375	40
Cobalt(Semi Bright, Heavy Build)	SPS 5204	1.9	75	600	58
Copper(Acid)	SPS5250	0.5	63	250	24
Copper(High Speed, Acid)	SPS 5260	1.0	100	325	30
Copper(For Alloying)	SPS 5270	6.4	80	215	18
Copper(Heavy Build,Alkaline)	SPS 5280	8.5	80	250	24
Copper XU (Alkaline)	SPS 5310	8.5	40	92	N/A
Copper (Neutral)	SPS 5290	6.7	63	215	18
Copper(Alkaline)	SPS 5300	10.0	63	199	13
Copper(XHB)	SPS 5305	8.7	50	138	N/A
Iron	SPS 5500	10.8	20	477	48
Iron(Semi Bright, High Leveling)	SPS 5502	1.8	50	477	48
Nickel(Acid)	SPS 5600	2.3	112	443	47
Nickel(High Temperature)	SPS 5610	2.3	112	445	46
Nickel(Low Stress)	SPS 5621	1.4	78	495	50
Nickel(Acid, High Build)	SPS 5640	2.3	56	555	55
Nickel(Semi Bright, High Leveling)	SPS 5642	1.7	75	555	55
Nickel(High Speed)	SPS 5644	7.6	50	530	52
Nickel XHB	SPS 5646	7.7	50	530	52
Nickel (Neutral)	SPS 5650	7.7	25	445	46
Nickel(Machinable 20)	SPS 5715	1.5	100	243	23
Tin(Acid)	SPS 5900	0.7	130	6	N/A
Tin(Alkaline B)	SPS 5951	7.5	80	40	N/A
Zinc(Alkaline)	SPS 5980	8.5	100	40	N/A
Zinc(Alkaline B)	SPS 5981	8.5	100	40	N/A
Zinc(Acid)	SPS 5985	1.8	70	80	N/A

Precious Metal Plating Solutions

SIFCO Solution		Characteristics			
Solution	Code	PH	g/Liter	Hardness Brinell	HRc
Gold	SPS 5350	8.6	100	132 Knoop	N/A
Gold(Non-cyanide)	SPS 5355	8.7	31	90 Knoop	N/A
Gold(For Undercoating)	SPS 5360	8.4	25	132 Knoop	N/A
Gold(Hard Alloy)	SPS 5370	8.4	100	158 Knoop	N/A
Gold(Neutral)	SPS 5380	7.0	100	132 Knoop	N/A
Gold - Antimony (1%)	SPS 5390	8.4	100	158 Knoop	N/A
Gold (Production)	SPS 5391	8.4	50	132 Knoop	N/A
Gold(Acid)	SPS 5400	5.1	100	132 Knoop	N/A
Indium	SPS 5450	9.0	70	2	N/A
Indium B	SPS 5451	8.8	70	2	N/A
Palladium	SPS 5930	8.2	30	300	32
Platinum	SPS 5750	1.0	30	444	46
Rhenium	SPS 5780	2.5	33	321	34
Rhodium	SPS 5800	0.7	20	568	56
Rhodium(Low Stress)	SPS 5810	1.0	50	563	56
Silver	SPS 5850	10.5	190	105	N/A
Silver(Heavy Build)	SPS 5860	11.5	61	105	N/A
Silver(Non-Cyanide)	SPS 5870	8.5	100	105	N/A

Alloy Metal Plating Solutions

SIFCO Solution		Characteristics			
Solution	Code No	PH	g/Liter	HRc	
Babbit	SAS 5925	7.2	80	N/A	
Cobalt-Tungsten	SAS 5230	2.9	80	68	
Nickel-Tungsten	SAS 5700	1.6	85	68	
Nickel-Cobalt	SAS 5705	2.0	100	58	
Nickel-Cobalt(Semi Bright)	SAS 5720	1.8	75	47	
Nickel-Tungsten D	SAS 5710	1.8	78	55	
Nickel(Black)	SAS 5670	8.2	27	N/A	
Tin-Antimony	SAS 5930	7.5	80	N/A	
Tin-Indium(80/20)	SAS 5932	7.5	80	N/A	
Tin-Lead(60/40)	SAS 5935	7.5	80	N/A	
Tin-Lead(Acid 60/40)	SAS 5940	1.2	116	N/A	
Tin-Zinc(90/10)	SAS 5936	7.5	80	N/A	
Zinc-Nickel LHE	SAS 5970	8.8	100	N/A	

N/A=Not Applicable