



GOLD BATH SOLUTIONS

SOLUTION	BATH TEMP	VOLTAGE	TIME
KROHN GOLD	130 to 140°F	4 to 6	15-30 seconds
KROHN PINK, DOUBLE PINK, TRIPLE PINK	140°F (must heat solution)	4 to 6	30 seconds or Desired Coverage
COHLER GOLD	120 to 140°F	2 to 4	20-30 seconds
EARTHCOAT™ GOLD	120°F	3 to 4	30-45 seconds

RHODIUM BATH SOLUTIONS

SOLUTION	BATH TEMP	VOLTAGE	TIME
KROHN	65 – 120°F	1 to 3	20-30 seconds
SUPERBRITE®	Room Temp. (70°F)	4	20-30 seconds
SUPERBLACK™	Room Temp. (70°F)	4	1 minute

KROHN PLATING SOLUTIONS

SOLUTION	BATH TEMP	VOLTAGE	TIME
ACID COPPER	Room Temp.	3 to 9	Desired Coverage
BRIGHT NICKEL	70 – 75°F	2	Desired Coverage
SILVER PLATING	Room Temp.	2 to 4	30 secs to 2 minutes

EARTHCOAT™ SOLUTIONS

SOLUTION	BATH TEMP	VOLTAGE	TIME
PALLABRITE™ MIRROR	125°F	2 to 3	15 to 30 seconds
SILVER FREE	Room Temp.	1.5 to 1.8	15 to 90 seconds
NICKEL MIRROR	120 – 150°F	2 to 4	1 to 10 minutes
COPPER PRIMER	130 – 155°F	1 to 2	1 to 10 minutes
COPPER MIRROR	Room Temp. (Not to exceed 80°F)	2 to 3	2 to 10 minutes
BLACK FREE	120 – 140°F	3 to 4	30 secs to 2 minutes

PEN PALS®

SOLUTION	BATH TEMP	VOLTAGE	TIME
SUPERBRITE®	Room Temp.	6	Desired Coverage
SUPERBLACK™	Room Temp.	10	Desired Coverage
GOLD	Room Temp.	3-6	Desired Coverage
CYANIDE FREE GOLD	Room Temp.	1-3	Desired Coverage

CLEANERS

SOLUTION	BATH TEMP	VOLTAGE	TIME
HEAVY DUTY ELECTROCLEANER	180°F	10	60 seconds or more
TIVACLEAN (as electrocleaner)	160 to 180°F	5 to 6	Desired Results
TIVACLEAN (in ultrasonic)	135°F	N/A	Desired Results
ACTIVATOR T™	Room Temp.	N/A	15 to 60 seconds
ELECTROKING™	140 to 160°F	2 to 6	15 to 60 seconds
SPAREX®	125 to 135°F	N/A	Desired Results
SPAREX® ACID DIP	Room Temp.	N/A	10 to 15 seconds