

DARK GREY GILDING SALTS

For plating thin deposits of up to 0.5 microns
Dark grey colour, 8-12K

OPERATING CONDITIONS

DESCRIPTION	UNIT	RANGE	OPTIMUM
Gold Concentration	g/l	0.3 - 0.7	0.5
Nickel Concentration	g/l	1.8 - 2.5	2
pH		4 - 5	4.5
Temperature	°C	35 - 50	40
Current Density	A/dm ²	1 - 2	1.5
Solution Density	°Bé	6 - 12	8
Deposit Carat	K	8 - 12	
Deposit Colour		Dark Grey	
Cathode Efficiency	mg/A.min.	12	
Cathode & Rod Movement	m/min.	6	
Deposition Rate	µm/min.	0.1 - 0.15	0.12

EQUIPMENT

Unplasticised P.V.C., polypropylene or polyethylene are recommended materials for tank fabrication. PTFE sheathed immersion heaters are recommended, and should be used in conjunction with a suitable thermostat.

Constant filtration through a 5 micron polypropylene filter is recommended. Note that polypropylene filters should be well boiled and washed before use, to avoid risk of organic contamination.

This solution will not produce deep black colours.

CAS 151-50-8
UN 1680 PG11
EC 2000-821-6
Hazardous

