



Dental Baths

Arcuplat

Article No. 3170300102 Rapid Silver Plating

Article No. 3170400702 Rapid Copper Plating

Description

In the ARCUPLAT coating process a self supporting metal layer is formed on conventional dental impression materials. The metal layers resulting from this process are characterized by extreme hardness and seating precision.

Application

The sections to be coated on the conventional impression materials must be rendered conductive (Article No. 6208/6209 Conductive Silver Powder; 6210 Conductive Silver Paint). The drying time for the paint is around 30 minutes. Without proper customized preparation of the impression material (that is cleaning and degreasing), precision seating of the metal layering is impossible to obtain.

Operating Data

Temperature
Electric Current for each Stump
Metal Content
Exposure Time
Anodes
Agitation
Tank Material
pH Value

Silver Plating

18-22 °C
20-25 mA

30 g Ag/l

3-4 hours

Fine silver
required

Plastic, glass
>10

Copper Plating

30-50°C
30-50mA

55-65 g Cu/l

4-6 hours

Copper phosphorus
required

Plastic, glass
<1 (H₂SO₄)

Deposition Data	Deposited Alloy	99.9% Ag	99.97%Cu
	Hardness	approx. 75-85 HV	approx. 95-110 HV

General

Do not mix a new bath with used solution; for prolonged standing times, remove anodes from bath and rinse with deionized water.

Regeneration

Not required as the metallic content remains constant when the anodes are detached.

Warning!

Chemicals and materials used in electroplating techniques can be corrosive or poisonous. During use, storage, transportation and disposal the appropriate regulations must be observed.

For further information see the ECC Safety Data Sheets