

銅／アルミ張セラミック基板向け無電解銀めっき液

Electroless Silver Plating Solution to Cu/Al Clad Ceramic Boards

トップシルベACC／トップシルベAG

TOP SILVE ACC / TOP SILVE AG

- はんだ接合に代わる技術として注目される銀焼結接合に対応

Applicable to silver sintered bonding, which is attracting attention as an alternative technology for solder bonding

- 金代替用途として使用可能

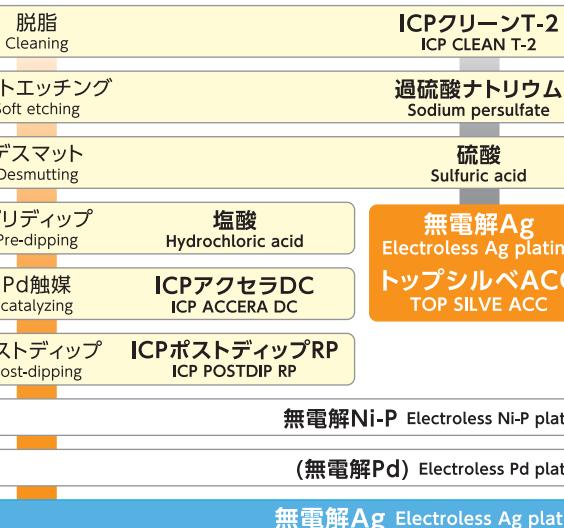
Replacement of gold plating

- 下地素材の腐食が少なく、密着性に優れる

Prevent the corrosion of undercoat, high adhesion

銅張セラミック基板用プロセス

Process for copper clad ceramic board



アルミ張セラミック基板用プロセス

Process for aluminum clad ceramic board

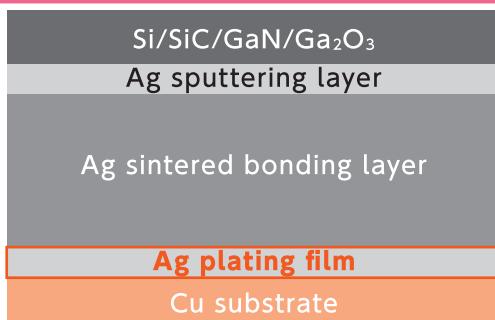


銅上の無電解銀めっき液

Electroless silver plating on copper

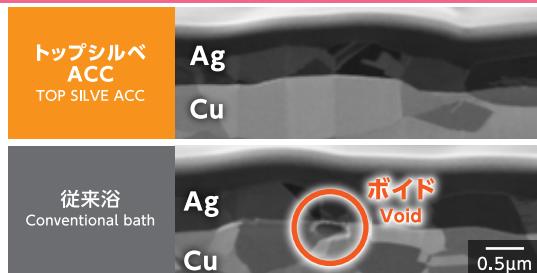
銀焼結接合用途

Silver sintered jointing



下地銅の腐食を抑制

Prevent the corrosion of Cu substrate



無電解銀めっき後の断面SIM像
SIM image of cross section(after electroless silver plating)

無電解ニッケル、無電解ニッケル／パラジウム上の無電解銀めっき液

Electroless silver plating solution on electroless nickel, nickel/palladium plating

平滑な銀めっき皮膜

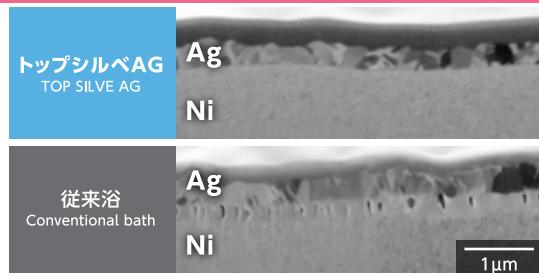
Flat and smooth silver plating film



無電解銀めっき後の表面SEM像
SEM image of surface(after electroless silver plating)

下地無電解ニッケル皮膜の腐食を抑制

Prevent the corrosion of electroless nickel plating (undercoat)



無電解ニッケル / 銀めっき後の断面SIM像
SIM image of cross section(after electroless nickel/silver plating)