



SPEEDMET™

SPEEDGOLD™ DIRECT GOLD EFFECT METALLISING WIRE

For the first time you can produce Gold effect films or papers in one direct vacuum metallising operation:

- No need for coloured lacquers or tinted film
- Colour both sides of the film in one step
- High lustre film

SPEEDGOLD is an exciting new wire for the vacuum metallising industry using the unique composite wire technology of the Welding Alloys Group (patent pending).

Technical specifications

SPEEDGOLD wire is a composite wire comprising copper with a core of aluminium. The copper component is high purity electrical grade, aluminium is Al99.8. The currently available composition is 85%Cu, 15%Al.

Diameter

Wire is currently available in the standard diameters of 1.6mm and 2.0mm. 1.5mm can also be supplied to order.

Packing

Wire can be supplied on spools to suit most modern vacuum metallising machines. The higher density of the material would allow almost 3 times the weight per spool compared to aluminium. (For example a typical 6.5kg spool could be supplied with 15kg of Speedgold). We can supply spools at less than full capacity to allow for any limitations from the stepper motors.

Evaporation

Because of the high copper levels this material will not wet standard aluminium evaporator boats and 4 component boats, which are normally specified for copper, are preferred. Evaporation temperatures are higher than required for aluminium. Please consult your supplier of evaporator boats to ensure that the boats supplied are suitable for the power available.

Handling

The wire is stiffer than aluminium. Care must be taken when loading the wire into the machine, if the wire is not firmly held it will unwind. There will be some tendency for the spools to over-run leading to loose wire. Since spools will be supplied at less than full capacity, wire will be retained within the flanges and no operational problems are anticipated.

Please click [here](#) to contact us and obtain further information.