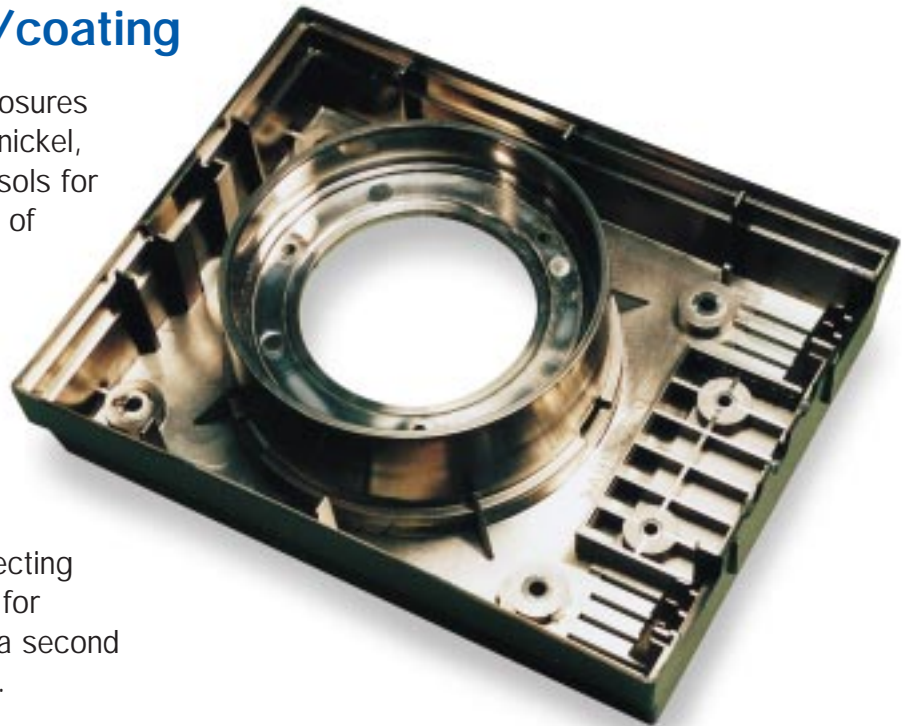


Conductive metallisation/coating

A fast and easy way to shield plastic enclosures is by using a conductive paint containing nickel, copper or silver. The paint comes in aerosols for easy use, but can also be supplied in tins of 5 or 20 litres for larger quantities.

For higher demands and larger quantities we can sputter a full metal coating on 90% of commonly used plastics, even on PTFE! Normally this is done with a sandwich of three thin layers of metal. First a thin layer of stainless steel, to prevent the softeners in the plastic affecting the shielding. Then a thin layer of copper for superb shielding performance and finally a second layer of stainless steel to avoid corrosion.



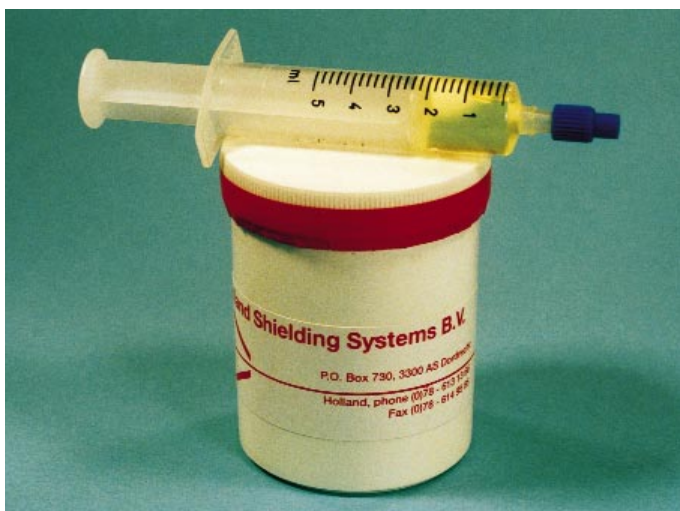
Shielding performance

frequency (MHz)	coating (dB)	metallisation (dB)
30	36	50
100	38	58
200	44	70
500	54	74
700	54	72
900	50	70

Ordering information

Part numbers of conductive nickel coating:

- 3801 - aerosol 365 ml
- 3805 - tin 5 litre
- 3820 - tin 20 litre



Shieldokit electrically conductive glue

Shieldokit creates an electrically and thermally conductive connection between components. One of the applications is EMI shielding. The glue can cure at room temperature and has excellent filling properties. Therefore uneven surfaces can be fixed.

The product consists of a silver-filled two-component epoxy-based glue. It is pasty and can glue metals (copper, aluminium, brass, etc.), ceramics and most plastics.

Specifications

silver content	± 80%
surface resistance	0.5 Ohm/sq.cm
specific resistance	0.0025 Ohm/cm
shelf life	6 months (cool and dry)
shear strength	10-13 N/sq.mm
temperature (cont.)	150° C
temperature (brief)	200° C

Ordering information

Shieldokit conductive glue
Set of 100 gr. (two components)
Part number 3980