

Conductive Coating & Metallisation 3800 Series



Conductive Nickel Coating For Plastics

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

Frequency (Hz)	Coating (dB)
30M	36
100M	38
200M	44
500M	54
700M	54
900M	50
See Guarantee	

Shielding Performance

Shielding effectiveness depends on surface, shape of gaskets and material used.

Conductive Metallisation 3838



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.

Frequency (Hz)	Metallisation (dB)
30M	50
100M	68
200M	70
500M	74
700M	72
900M	70
See Guarantee	

Shielding Performance

Shielding effectiveness depends on surface, shape of gaskets and material used.



Conductive Nickel Coating 3801

Ordering Information

Part numbers of conductive nickel coating:

- 3801 Aerosol 365 ml
- 3805 Tin 5 Litre
- 3820 Tin 20 Litre
- 3850 Silver Coating 50 gram

Conductive Silver Coating 3850

Silver Pigmented Conductive Coating

Silver Coating 3850 is the latest in a series of coatings which provide Electromagnetic Compatibility (EMC) and it has been specifically designed to give increased coverage while maintaining a very high conductivity. Thus it is a very economic means of achieving excellent shielding against radiated electromagnetic interference (EMI).

It maintains its low resistance even after exposure to heat, cold, humidity and salt spray. It is an air drying system that requires no primer or top coat. It is easily applied by spray or brush and is compatible with plastics commonly used for electronic equipment enclosures.



Conductive Silver Coating 3850