

MG Chemicals

RFI / EMI Shielding coatings

RFI / EMI Shielding coatings supplied by MG Chemicals are protective lacquers with electrically conductive materials such as carbon, graphite, aluminium, copper and nickel impregnated within. They are used on products such as non-conducting casing materials to shield sensitive electronic devices from radio frequency interference (RFI) and electromagnetic interference (EMI).

Uses for conductive coatings

Shielding Paints are used throughout the electronics world in many different areas. These include:

Military & aerospace

Communications, satellites, door and room shielding, piping, conduits, HVAC ducts, avionics, GPS and weapon systems

Transport

Automobile cabins, railway optical networks, runway lighting in airports, traffic surveillance systems, automobile control systems in the dashboard and GPS Systems

Communications

Telephone systems, mobile phones, GPS systems, satellite dishes, in flight phone systems and antennas

Instrumentation and automation

Conveyor systems, control drives, robotic interfaces, motors, compressors, pumps and power Supplies

Medical

TENS (Transcutaneous electrical nerve stimulation) electrodes, PET, MRI and CAT scanning systems and artificial hearts

Computers

Disk drives, VDUs, printers, keyboards, composite patch channels, batteries, notebooks and Ethernet switches.

In fact, shielding of EMI / RFI is mandatory for all electronics and it can be found in all areas where electronics are found.



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www.conformalcoating.co.uk

Email us: sales@schservices.com