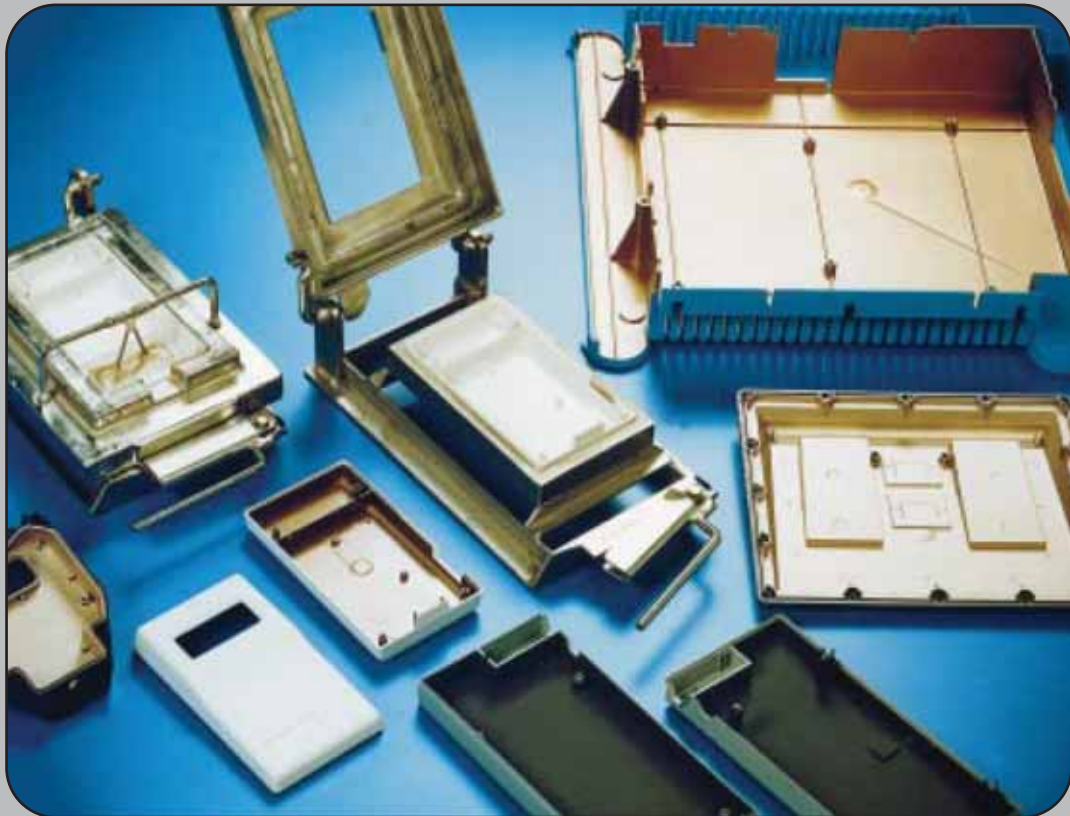


Electro Conductive Coatings for EMI Shielding & Static Control



TBA Electro Conductive Products



www.tbaecp.co.uk

ECP 500 SERIES

STATIC CONTROL PAINTS

ECP have a range of electrically conductive paints for use in electrostatically sensitive applications. Compatible with most plastics and metal substrates, the paints meet the requirements of BS IEC 61340-5-1:2001 (Basic Specification: Protection of electrostatic sensitive devices) and suitable for use in ATEX hazardous environments

- ECP 529 Single pack water based static dissipative paint
- ECP 531 Single pack black conductive acrylic paint
- ECP 534 Static dissipative polyester powder coating
- ECP 535 Single pack colourable static dissipative acrylic paint
- ECP 536 Single pack flexible black conductive polyurethane paint
- ECP 537 Single pack high temperature static dissipative silicone/acrylic paint
- ECP 538 Single pack static dissipative stoving enamel paint
- ECP 539 Single pack water based static dissipative acrylic paint
- ECP 581 Black conductive acrylic aerosol
- ECP 585 Coloured acrylic aerosol
- ECP 589 Water based static dissipative acrylic pump spray

FLOOR PAINT

- ECP 525 Two pack water based static dissipative epoxy floor paint
- ECP 526 Two pack water based conductive epoxy floor paint



ECP 500 SERIES – ELECTRICALLY CONDUCTIVE COATING SELECTOR GUIDE

EMI SHIELDING COATINGS

ECP REF	USE	DESCRIPTION	SE(dB)	DFT	COLOUR	SURFACE RESISTIVITY Ohm/Sq.	COMMENTS
502	EMI Shield Plastic Enclosures	Nickel Acrylic Paint	50-55	50µm	Dark Grey	0.90	Single component Nickel/Acrylic conductive coatings which provides cost effective EMI/RFI Shielding on plastic housing used in the electronics and computer industries
505	EMI Shield Plastic Enclosures	Silver/Copper Acrylic Paint	60-65	25µm	Copper	0.10	Supplied ready for use it is designed to give low resistance, in thin film thickness. Displaying excellent adhesion to most plastics used in the electronics and computer industries. It exhibits excellent long term EMI/RFI shielding and grounding properties.
552	EMI Shield Plastic Enclosures	Nickel/Acrylic Prototyping Aerosol	50-55	50µm	Dark Grey	0.90	Nickel/Acrylic based aerosol coating combines EMI/RFI shielding properties with a convenient method of application for prototype, design and touch-up work, it is specially formulated in order to provide a homogeneous finish
555	EMI Shield Plastic Enclosures	Silver/Copper	60-65	25µm	Copper	0.10	Silver/Copper based aerosol coating combines EMI/RFI shielding properties with a convenient method of application for prototype, design and touch-up work, it is specially formulated in order to provide a homogeneous finish

FLOOR COVERINGS

ECP REF	USE	DESCRIPTION	STATIC DECAY	DFT	COLOUR	SURFACE RESISTIVITY Ohm/Sq.	COMMENTS
525	SD Floor Coating	Epoxy Paint for Floor/Clean Rooms	<2 secs	50-70µm	Light Grey	10 ⁹	High quality water based S. D. two pack epoxy systems. Environmentally friendly, it offers the advantages of low odour, and easy cleansing of equipment with water. Exhibits excellent mechanical properties which will withstand abrasion and impact, as well as giving good resistance to a wide range of chemicals including: Oils, Fats, Solvents, Acids and Alkalis
526	Conductive Floor Coating	Water based Conductive epoxy Floor paint	<2 secs	50-70µm	Light Grey	10 ⁵	Two pack water based conductive epoxy floor paint suitable for use where footwear will be the primary means of grounding. Complies with BS IEC 61340-5-1:2001. Exhibits excellent mechanical properties that will withstand abrasion and impact, as well as giving good resistance to a wide range of chemicals including Oils, Fats, Solvents, Acids and Alkalis

STATIC DISSIPATIVE COATINGS

ECP REF	USE	DESCRIPTION	STATIC DECAY	DFT	COLOUR	SURFACE RESISTIVITY Ohm/Sq.	COMMENTS
529	Expanded polystyrene, HIPS, PC	Water based Acrylic	<2 secs	30µm	Light Grey	10 ⁸	Single pack water based static dissipative paint, ideal for materials that are susceptible to damage by solvents, e.g. expanded polystyrene packaging, HIPS, etc. Will adhere to a variety of substrates, suitable for use in electronics assembly areas or ATEX type hazardous environments. Complies with BS IEC 61340-5-1:2001
531	Plastic Enclosures	Carbon Acrylic Paint	<0.1 secs	50µm	Black	10 ⁶	Single component air-drying Conductive Carbon/Acrylic Coating. Designed for anti-static applications
534	Metalwork, racking, cabinets	Polyester powder coating	<2 secs	60µm	Light Grey	<10 ⁹	Durable hard wearing S.D. Powder Coating for metalwork ideal for use in electronics assembly printing, pharmaceutical and ATEX hazardous environments. Complies with BS IEC 61340-5-1:2001
535	Plastic Enclosures	Coloured Acrylic Paint	<2 secs	50µm	Light Grey	<10 ⁹	Single component coloured acrylic S.D. coating which provides effective static control on plastic housings used in the Electronic and Computer Industries
536	Flexible Substrate	Carbon Polyurethane paint	<0.1 secs	10-15µm	Black	<10 ⁶	Conductive Flexible Polyurethane for use in applications where a highly conductive flexible surface is required. P.U. Elastomer, PVC, rubber variants, fabrics, leather
537	Oven interiors, flow solder machines	High temperature Silicone/acrylic	<2 secs	50µm	Light Grey	10 ⁸	High temperature S.D. finish that can function up to 350 celsius, Suitable for use on flow solder pallets, drying ovens etc. Complies with BS IEC 61340-5-1:2001
538	Metalwork, Racking, cabinets	Stoving enamel	<2 secs	30µm	Light Grey	10 ⁸	Durable hard wearing S. D. stoving enamel for metalwork ideal for use in electronics assembly printing, pharmaceutical and ATEX hazardous environments. Complies with BS IEC 61340-5-1:2001
539	Cardboard, PVC, PC, PE Foam	Water based clear acrylic	<2 secs	30µm	Clear	10 ⁹	Provides a clear semi-permanent static dissipative finish. Can be used to treat clear packaging, carpets, cardboard etc. Complies with BS IEC 61340-5-1:2001
581	Plastic enclosures	Black Conductive Acrylic aerosol	<0.1 secs	50µm	Black	10 ⁵	Provides all the benefits of ECP 535 with a convenient method of application
585	Plastic enclosures	Coloured acrylic aerosol	<2 secs	50µm	Light Grey	<10 ⁹	Provides all the benefits of ECP 531 with a convenient method of application
589	Cardboard, PVC PC, PE Foam	Water based clear acrylic pump spray	<2 secs	30µm	Clear	<10 ⁹	Provides all the benefits of ECP 539 with a convenient method of application

ECP 500 SERIES

EMI SHIELDING

Surface coatings offer the simplest solution to many shielding applications and can be carried out with minimal training and equipment requirements using conventional spray techniques.

ECP 502/552 Nickel Acrylic Paint, cost effective, also available in aerosol for prototype and small runs.

ECP 505/555 Silver plated copper acrylic giving high performance shielding, aesthetically pleasing. Also available in aerosol.

The ECP 500 Range has been developed to provide EMI Shielding and to protect sensitive electrical equipment from the effects of electro static discharge (ESD).

- PAINT SUPPLY
- COATING OF FREE ISSUE PARTS
- CUSTOM MOULDING AND COATING OF PARTS

TBA ECP's product range is primarily aimed at supplying both materials and finished products for electrostatic protection and EMI/RFI shielding within the electronics industry. Our product range falls largely into four family groups: static control, EMI/RFI gaskets and seals, conductive polymers and conductive coatings and metallising.

With constant programme of research, development, product improvement, and due to our continuing expansion programme, we are very happy to discuss other product requirements and applications.



Electro Conductive Products

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