İBA KİMYA SAN. ve TİC. A.Ş.
1. Organize Sanayi Bölgesi
Oğuz Caddesi No:22
06930 Sincan / Ankara / Türkiye
Tel:+90312 267 09 83 Fax:+90312 267 09 87
www.iba.com.tr

IBAGROUND

Technical Data Sheet

Description

IBAGROUND adds conductivity feature to the surfaces onto which it is applied, while the conventional powder coatings are known to act as insulating barriers.
Depending on the aimed conductivity level, IBAGROUND has “Conductive (C)” and “Antistatic/ESD (S)” versions.
IBAGROUND Conductive (C) powders transforms insulative materials such as glass, SMC and MDF into conductive.
Conductive coatings are frequently used to shield sensitive electronic components from electromagnetic and radio frequency interference (EMI/RFI) from both the device itself and from surrounding interference. Electromagnetic shielding is the practice of reducing the electromagnetic field in a space by blocking the field with barriers made of conductive or magnetic materials. Shielding is typically applied to enclosures to isolate electrical devices from their surroundings, and to cables to isolate wires from the environment through
IBAGROUND Antistatic/ESD (S) powders are developed in order to prevent the failure of electronic components due to electrostatic discharge. The coating acts as a protective film that will dissipate static charge occurring onto the surface, in doing so valuable electronic components are kept safe in use or in storage.
IBAGROUND can be formulated in a wide range of binder chemistries like polyester, epoxy, hybrid and polyurethane with a limited color range and surface characteristics though.

Characteristics

IBAGROUND Conductive (C) powders electrical surface resistivity < $0.75*10^6$ Ohms/sq at 100 volts.
IBAGROUND Antistatic/ESD (S) powders electrical surface resistivity $0.75*10^6$-$999*10^6$ Ohms/sq at 100 volts.
Excellent physical properties and film integrity.

Applications

IBAGROUND Conductive (C) is for
EMI/RFI Shielding of housings and components;
Communications equipment, antennas and pagers
Consumer electronics, cable boxes, receivers and entertainment systems
Industrial and automated control systems; military and weapons systems
Network/satellite systems; and aerospace/avionics systems.

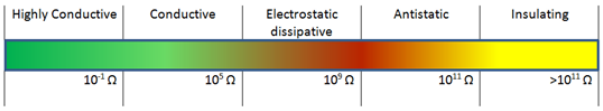
IBAGROUND Antistatic/ESD (S) is for
Electronic enclosures
Computer work stations
Work benches and work surfaces
Shelving
Storage organizers
Ideal to coat components which have to comply with the ATEX regulations

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Product Properties

UV Resistance	Depending on the series.
Colour	Black-Grey-Red-Blue-Green-Brown-Yellow
Surface	Semigloss HR - Wrinkle WR- Structure
Specific gravity	1.40-1.75 gr/cm3
Electrical Surface resistivity	Conductive (C) $< 0.75*10^6$ Ohms/sq at 100 volts. Antistatic/ESD(S) $0.75*10^6$-$999*10^6$ Ohms/sq at 100 volts.



Shelf Life	12 months (< 30°C and < 50% RH) (depending on the series)

Application Data

Application	Corona/Tribo (Can be applied by tribo guns if product code has "T" for the 6th character)
Curing	Check for TDS for the specific series.
Film Thickness	40-100 microns.

Coating Properties

Check TDS for the specific series.

Application Guide

IBAGROUND powder coating does not require a special application. Check TDS for the specific series.

Care and Maintenance

IBAGROUND powder coatings should be regularly washed with warm water and mild liquid detergent, followed by a fresh water rinse to maintain the attractive appearance of the powder cured film.
The use of abrasive cleaners is not recommended, nor is the use of active organic solvents.

Health and Safety

The SDS is an integral part of using this product as it contains information on the potential health effect of exposure, personal protective equipment needed. It is recommended to contact to Sales and Customer Service Offices for further information.

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Transport and Storage

Packaging	15-20-25 kgs. Heavy polyethylene bag in a corrugated carton
Shipment	Not dangerous goods. No special transport requirements.
Storage Conditions	Storage temperatures should be kept below 30°C and 50% relative humidity. Powder should be stored in closed containers.

DISCLAIMER: All the information provided in this data sheet depends on our knowledge and experience up to date and may be subject to revision as new technology and experience evolve. Since the conditions of application may vary depending on the substrate, physical conditions and other variables, users should conduct necessary tests to determine the conformity of the product for its intended use. We do not accept liability since the application, use and processing of the products take place beyond our control and supervision. Moreover, our liability for breach of warranty is exclusively limited to replacement of the product or refund of its price and we are not liable for incidental, indirect or consequential damages under any circumstances.