

# ESD-KOTE

## THERMOSET POWDER COATINGS



Problems caused by electrostatic discharge are usually found in the electronics industry where products can suffer damage if they are subjected to an electrostatic charge. As few as 100 volts is enough to damage an electronic component. Utilizing an electro dissipative coatings is thereby necessary to act as a protective film.

ESD-KOTE is a patented thermoset powder coating solution that reduces the risk of shock by continuously conducting and dissipating static build up on surfaces and slowing the rate of charge transfer.



## OVERVIEW

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### How does it **work**?

ESD-KOTE is formulated by mixing an electrically conductive pigment into a non-conductive resin binder. The binder holds the paint together and provides the adhesion, while the conductive filler

provides the electrical pathway. The coating safely ushers static electricity to an attached ground and prevent sparking and keep electronic components safe in use or in storage.

### Main Features

- Broad static dissipative range.
- Excellent physical properties and film integrity.
- Excellent surface durability, hardness and adhesion.
- Superior corrosion resistant properties.
- Can be combined with some other Protech Group coating features.

## TYPICAL APPLICATIONS

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### Commercial & industrial

- Store fixtures & merchandising
- Tools & hardware
- Electronic enclosures

### Consumer goods & appliances

- Furniture

## COLOR OPTIONS

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### Stock colors

Select one of the many stock colors that are readily available for processing.

### Color reference chart

Get inspired from a broad range of standard colors. Request a RAL fan deck or ask one of our experts.

## SUPPORT

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### Compliance

ESD-KOTE can be formulated to be compliant with certain guidelines. Ask our experts to see what different types of compliance, certification, or accreditation is available in your area.

# Care & maintenance

To ensure the life of your asset is maximised, a simple and regular maintenance program should be implemented.

Contact our experts for specific tips and advice of cleaning.

# Troubleshooting

We stand by our products, even when things don't go quite as planned. From cleaning and phosphating all the way to the final cured film appearance, we are here to help address your issues with proven solutions.

Contact our experts for tailored support.

## PROVEN PERFORMANCE

GLOSS	5 to 90
FILM THICKNESS	1.5 to 3.0 mils
HARDNESS	>H
SURFACE RESISTIVITY	105 to 109 ohms at 100v
COVERAGE	125 to 145 ft <sup>2</sup> (11.5 – 13.15 m <sup>2</sup> )
BAKING SCHEDULE	4-7 minutes at 400°F (204°C) 6-10 minutes at 375°F (190°C) 8-16 minutes at 350°F (177°C)





## FORMULATING THE RIGHT MIX

For more than 45 years, the Protech Group has been developing and manufacturing coatings, paints, and specialty materials. Through quality and innovation, we formulate the right mix to protect and enhance what matters most to our customers. The Protech Group products are manufactured in more than 20 sites worldwide. We serve our customers in countless markets and industries, including construction, infrastructure, transportation, consumer goods, and healthcare.



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