

WELCOME TO THE
WORLD OF
KABE FARBEN



POLYFLEX®
ESD - Series (electrostatically dissipative)

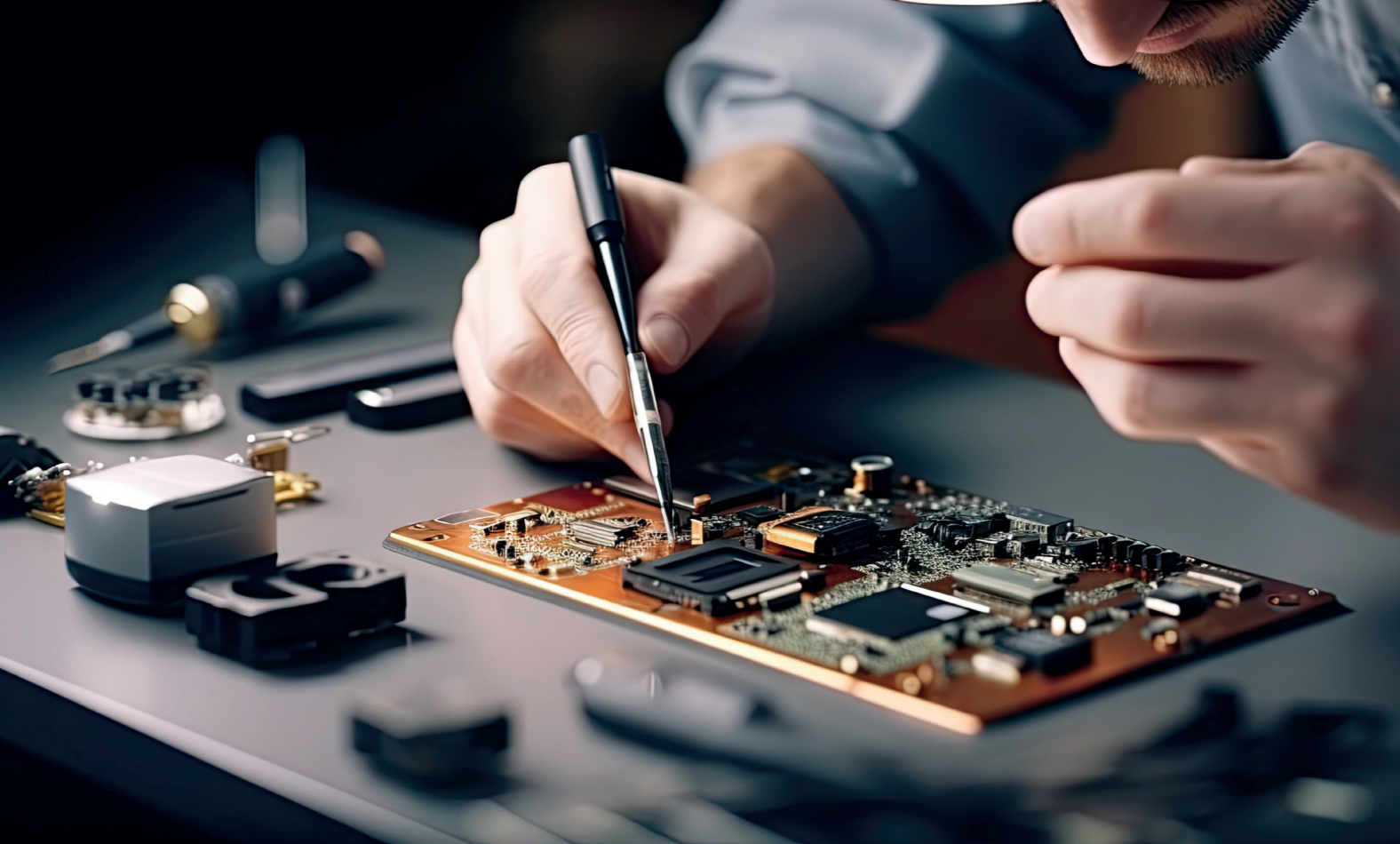


Powder Coatings

kabe-farben.ch



KARL BUBENHOFER AG



POLYFLEX® ESD SERIES: INNOVATIVE POWDER COATINGS WITH (AB)CONDUCTIVE POWER!

Organic coatings not only provide comprehensive protection against environmental influences, but also insulate electrically – a real added value!

However, sometimes this insulation is not desired, depending on the requirements of the workpiece.

With our products, you not only get the protection you need, but also the flexibility to maintain the electrostatic discharge capacity of metallic substrates or even to give non-conductive substrates dissipative properties.



ESD-capable objects are often clearly marked in the application.

NO MORE COMPROMISES

Discover the POLYFLEX® ESD series from KARL BUBENHOFER AG now!

With our wide range of conductive powder coatings, we offer you the perfect solution for a variety of applications.

No more compromises in color and processing - our products set new standards and make restrictions a thing of the past. Become part of our success story and trust in the quality of POLYFLEX® ESD.

DISCOVER OUR ESD+ COLLECTION

Protect your employees and your products with our innovative ESD+ collection. Our high-quality solutions provide optimal protection against electrostatic discharge – perfect for the highest demands in sensitive work areas.

Order your personal product brochure today at pulver@kabe-farben.ch or get personalized advice from one of our technical consultants in your region.





ESD

These economical coatings offer the highest process reliability and a variety of surface structures and gloss levels in proven KABE Farben quality, albeit with limitations on the possible layer thickness and without the option of overcoating.

ESD properties

- Economical powder coating
- Available in all textures and gloss levels
- Many shades available (restrictions in the light shade-ranges)

Applications

- Switch cabinets
- Fuse boxes
- Metal furniture and shelving components for ESD workstations
- Machine housing
- Fuel pumps
- Safety-relevant building envelopes
- etc.



ESD RAL 7035 with speckles

ESD+

The ESD+ series offers speck-free application in very light colors and enables coatings with low surface resistance to be applied in layers of any thickness. Thanks to its excellent overcoating properties, high rejection rates are a thing of the past. With the ESD+ series, you can enjoy the same variety of surface qualities and variations as with our proven powder coating range.

ESD+ properties

- Also available in light colors (with few restrictions)
- Available with or without speckles
- ESD properties retained up to high layer thicknesses
- Can be overcoated while retaining ESD properties
- Low rejection rates
- No restrictions on surface quality compared to the KABE Farben powder coating range

Applications

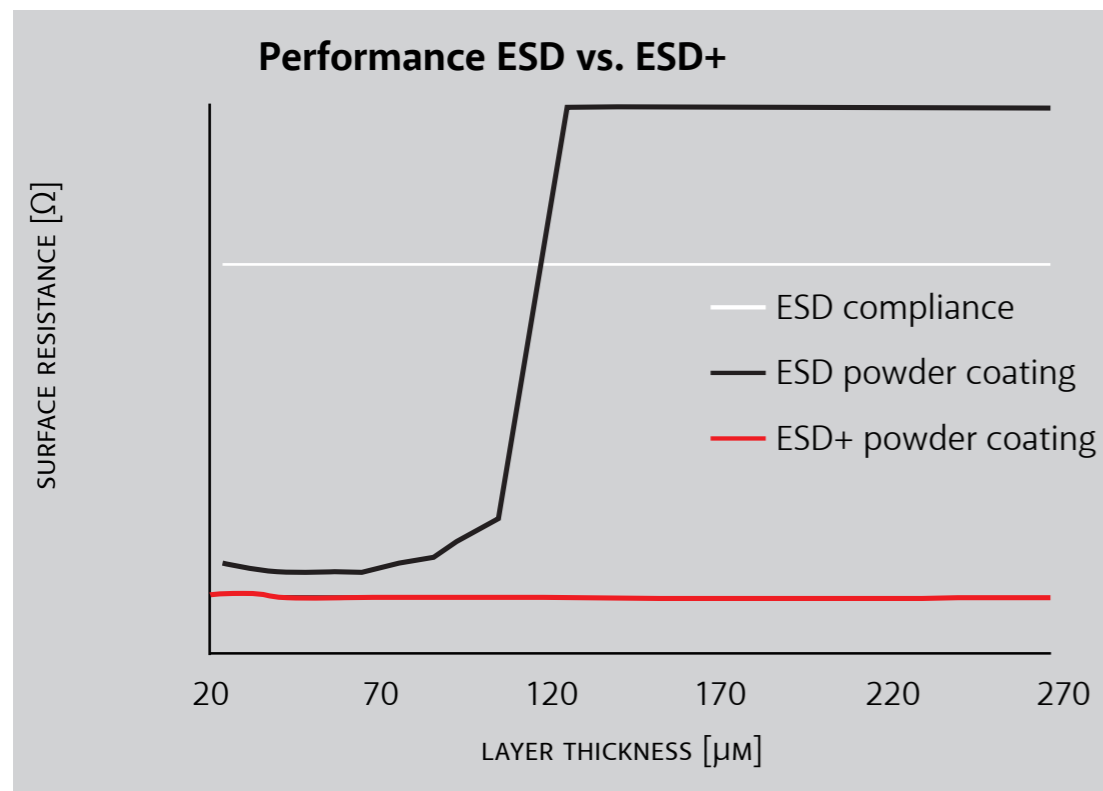
- Switch cabinets
- Fuse boxes
- Metal furniture and shelving components for ESD workstations
- Machine housing
- Fuel pumps
- Safety-relevant building envelopes
- etc.



ESD+ ca. RAL 7035 without speckles



THE PERFORMANCE OF ESD AND ESD+ IN COMPARISON



Surface resistance as a function of the layer thickness of ESD and ESD+ coatings on steel.

ESD++

The ESD++ series sets new standards with its extremely high conductivity. They enable the targeted conduction of larger power currents or electrical control currents on surfaces like never before.

Properties ESD++

- Extremely high conductivity
- Available in light colors
- High layer thicknesses possible
- Recoatability
- Lining of non-conductive substrates with a conductive surface (e.g. MDF, medium density fibreboards)

Applications

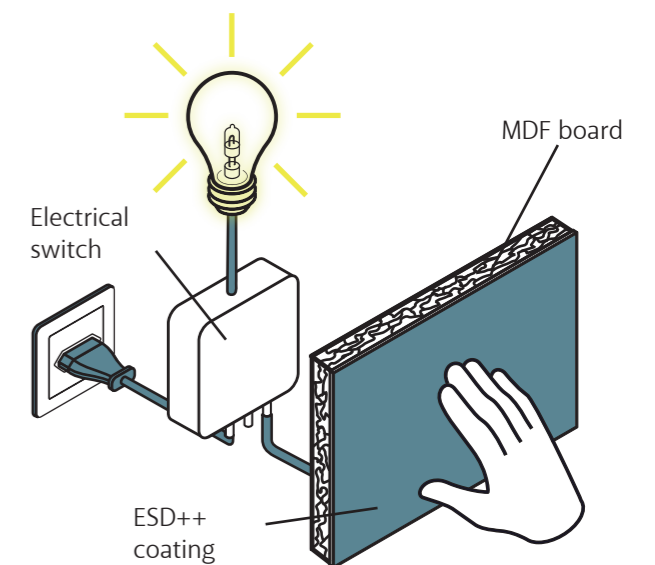
- Non-conductive substrates such as MDF.
- Our speckle-free coatings in light shades can be realized with few restrictions. In addition to overcoatings and high layer thicknesses, we would particularly like to point out the availability within our React'ive segment, which was specially developed for the ESD++ series.

This opens up the possibility of coating thermally sensitive substrates, which enables MDF products to be equipped with electrically conductive surfaces, among other things.

Customers of our ESD++ products can be among the pioneers who offer furniture with direct touch operation of electrical controls. There are no limits to creativity when it comes to new applications.

Article

- on request



Simple circuit of an MDF board with ESD++ powder coating. Touching the ESD++ layer activates the electrical circuit. The light bulb or other electronic devices can be controlled by this.

POLYFLEX® Powder Coatings

Sampling options

A5 KABE Standard surface samples

A5 aluminium surface samples
(including product information)

- Delivered in a practical sample case, ideal for filing.
- The surface patterns are coated according to your specifications if required.



KABE powder coating sample

- We produce 1.5 kg of powder according to your requirements.
- Delivered in a 1.5 kg mini carton. (not valid for all items)



Request samples and technical information.



Powder coatings | Paints + plasters | Facade insulation | Industrial coatings

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