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WORLD OF
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POLYFLEX®
PES-96-NT

Powder Coatings

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KARL BUBENHOFER AG



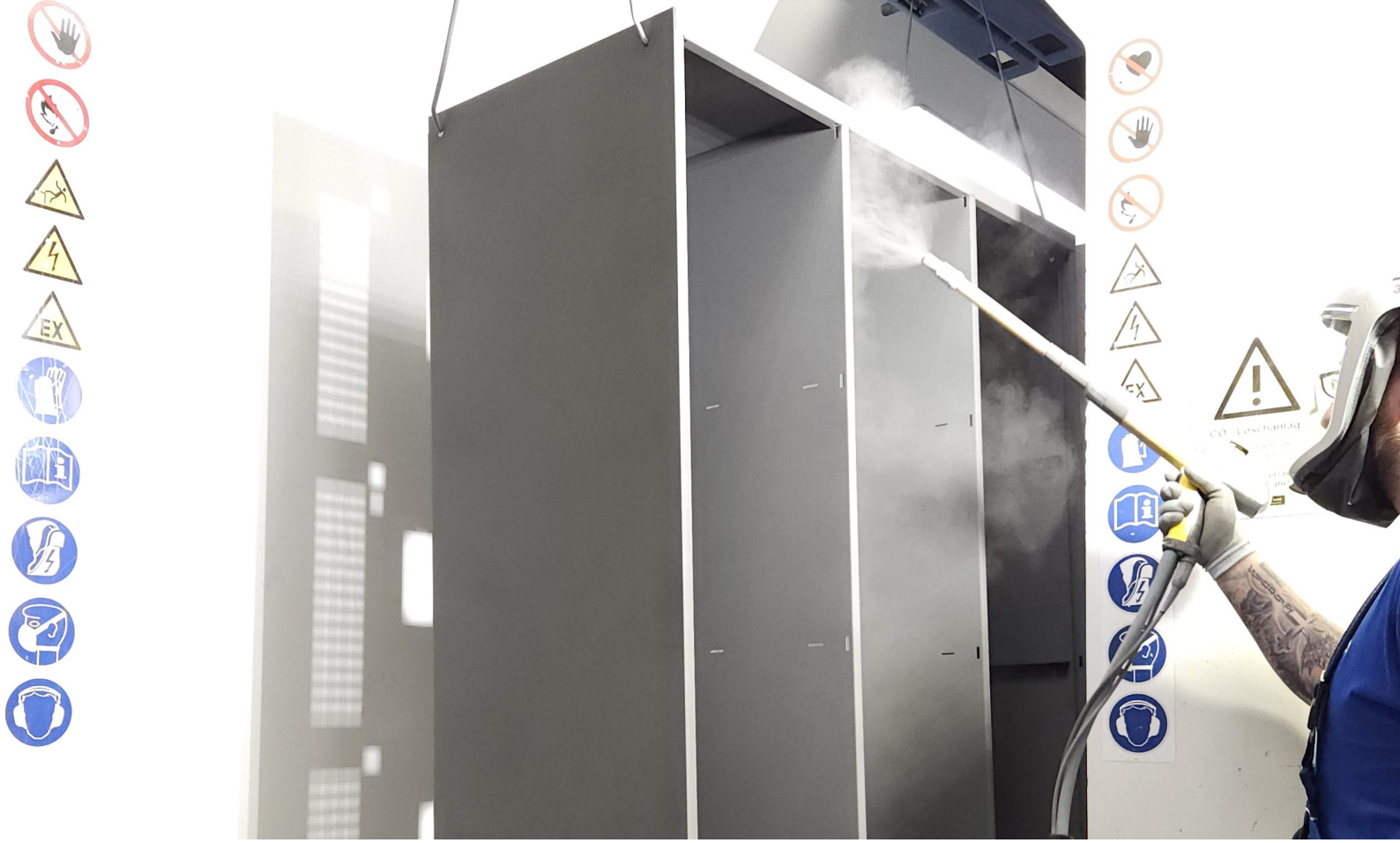
POLYFLEX® PES-96-NT QUALITY FOR INTERIOR APPLICATIONS

With the powder coating system **POLYFLEX® PES-96-NT**, KARL BUBENHOFER AG is presenting an innovative solution for interior applications. Based on polyester binders, this system offers a wide range of advantages that are both technically advanced and environmentally sustainable.

IMPROVED LIGHT RESISTANCE AND RESISTANCE TO YELLOWING

Compared to conventional hybrid powder coatings, the **POLYFLEX® PES-96-NT** system impresses with its significantly improved light resistance. It also exhibits low yellowing during curing, resulting in a longer-lasting and more aesthetically pleasing coating.





EFFICIENT PROCESSING AT LOW TEMPERATURES

POLYFLEX® PES-96-NT scores particularly well in terms of economic efficiency. The system can be cured at **160°C** in just **10 minutes** and allows even faster curing at higher temperatures with excellent results. This does not only reduce cycle times, it also saves a considerable amount of energy and costs during the production process.

FEATURES

- Low-temperature system (10 min, 160°C)
- Wide processing window in terms of temperature and overcuring stability
- Energy savings due to faster curing time or lower curing temperatures
- Lower CO_2 footprint (compared to hybrid powders)
- Wide range of surfaces
- Very economical
- More price stability due to epoxy-free formulation
- Safe, due to completely BPA (Bisphenol A) free
- Very good coverage even with light-coloured shades

CURING RECOMMENDATION

10 min at 160°C Object temperature

Object temp.	min. hold time in Min.	max. hold time in Min.
200°C	4 min	8 min
190°C	5 min	10 min
180°C	6 min	12 min
170°C	8 min	15 min
160°C	10 min	18 min



HIGH RESISTANCE TO CHEMICAL SUBSTANCES

The new **POLYFLEX® PES-96-NT** powder coating system is on a par with hybrid powder coatings in terms of detergent and solvent resistance. This makes it ideal for applications in demanding indoor areas.

DIVERSE DESIGN OPTIONS

The new **POLYFLEX® PES-96-NT** system is available in a wide range of gloss levels and surface options. Particularly noteworthy is a unique, smooth matte surface with a gloss level of approximately 10 gloss units (60°). Thanks to a variety of metallic effects and other design options, coatings made with **POLYFLEX® PES-96-NT** can be used for a wide range of applications.







ELECTROSTATIC DISCHARGE (ESD) COATINGS FOR SPECIALIZED APPLICATIONS

The ESD+ series offers speckle-free application in very light colours and enables coatings with low surface resistance even at high layer thicknesses. Thanks to its excellent overcoating properties, high rejection rates are no longer an issue. With the ESD+ series, you can enjoy the same variety of surface qualities and variations as found in our proven powder coatings portfolio.

Features ESD+

- Also available in light colors
- Available with and without speckles
- Retention of ESD properties up to high layer thicknesses
- Can be overcoated while retaining ESD properties
- Low rejection rates
- No restrictions on surface quality compared to the high-quality KABE Farben powder coating portfolio



Applications

- Switch cabinets
- Fuse boxes
- Metal furniture and shelving components for ESD workstations
- Machine housings
- etc.



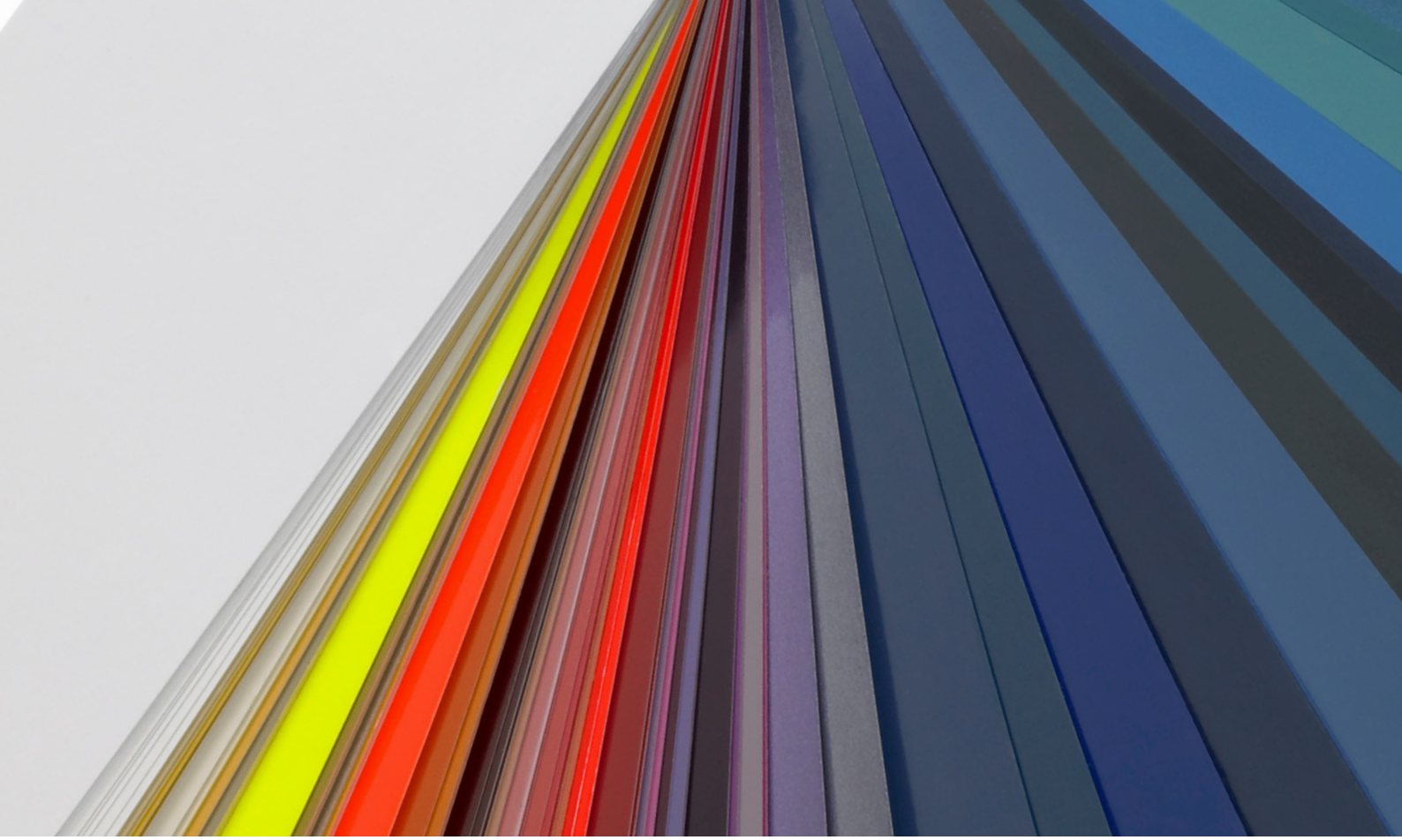
REDUCED CO_2 FOOTPRINT

A further benefit is the reduced CO_2 footprint compared to traditional hybrid powder coating systems. **POLYFLEX® PES-96-NT** can help to reduce environmental pollution and offers manufacturers a more resource-efficient alternative for their production processes.

With **POLYFLEX® PES-96-NT**, KARL BUBENHOFER AG offers an innovative, sustainable and high-performance powder coating system that meets the requirements of modern interior applications in every respect.

SUSTAINABILITY AND SECURITY

POLYFLEX® PES-96-NT is manufactured without any Bisphenol-A (BPA) based binder components, making it an environmentally friendly and sustainable solution. This underlines the commitment of KARL BUBENHOFER AG to develop safe and environmentally friendly products that meet the industry's growing sustainability requirements.



PES-96-NT PRODUCT RANGE

The following **POLYFLEX® PES-96-NT** low-temperature powder coatings are currently available in our extensive product range:

Standard types:
- **POLYFLEX® PES-96-NT** smooth Corona gloss
- **POLYFLEX® PES-96-NT** smooth Corona silk gloss
- **POLYFLEX® PES-96-NT** Metallic smooth Corona silk gloss
- **POLYFLEX® PES-96-NT** smooth Corona silk matt
- **POLYFLEX® PES-96-NT** Metallic smooth Corona silk matt
- **POLYFLEX® PES-96-NT** smooth Corona matt
- **POLYFLEX® PES-96-NT** metallic smooth Corona matt
- **POLYFLEX® PES-96-NT** fine structure Corona silk matt
- **POLYFLEX® PES-96-NT** Metallic Struktur fein Corona silk matt
- **POLYFLEX® PES-96-NT** fine structure Corona matt
- **POLYFLEX® PES-96-NT** Metallic fine structure Corona matt
- **POLYFLEX® PES-96-NT** rough structure Corona silk gloss
- **POLYFLEX® PES-96-NT** hammer tone Corona silk gloss

Thin-film types:
- **POLYFLEX® PES-96-NT** smooth thin layer Corona silk gloss 60

Transparent types:
- **POLYFLEX® PES-96-NT** transparent smooth Corona gloss
- **POLYFLEX® PES-96-NT** transparent smooth Corona silk matt

Electrostatically dissipative types:
- **POLYFLEX® PES-96-NT** ESD+ smooth Corona silk gloss
- **POLYFLEX® PES-96-NT** ESD+ smooth Corona silk matt
- **POLYFLEX® PES-96-NT** ESD+ fine structure Corona silk matt

Examples of use:
- Metal furniture
- Shelving components
- Machine housings
- Lamp housings
- Kitchen appliances
- etc.



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 I Paints + plasters I Facade insulation I Industrial coatings

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