

WELCOME TO THE
WORLD OF
KABE FARBEN



POLYFLEX®
PES-20
PES-20 Power



Powder Coatings

kabe-farben.ch



KARL BUBENHOFER AG



SPECIAL POWDER COATING FOR INTERIOR USE WITH INCREASED CHEMICAL RESISTANCE

POLYFLEX® PES-20 – The powder coating for high requirements in chemical and cleaning agent resistance.

Powder coatings can be sensitive to cleaning chemicals. Thanks to its highly cross-linked properties, POLYFLEX® PES-20 Power, on the other hand, exhibits remarkable resistance to various cleaning chemicals.

Its high resistance has been confirmed with a wide range of different test substances. It is significantly higher than that of conventional powder coatings. For particularly tough applications, POLYFLEX® PES-20 Power, the even more resistant version of POLYFLEX® PES-20, is available.

High Performance
POLYFLEX® PES-20 has proven to be resistant to a wide range of chemicals and can therefore be used in a variety of demanding applications.

Process reliability
This high-performance powder coating is specially designed for safe processing. It is not susceptible to thermal yellowing during curing.

Increased durability
Thanks to its highly cross-linked properties, POLYFLEX® PES-20 offers excellent abrasion and scuff resistance. This minimises the risk of coating damage.

For permanently antimicrobial surfaces!
**POLYFLEX® PES-20
STERIDUR**

- Advantages**
- High resistance to a wide range of common cleaning agents.
 - High thermal yellowing stability during curing.
 - Anti-graffiti properties (PES-20 Power).
 - Excellent abrasion and scrub resistance.

Colours
POLYFLEX® PES-20 is available in almost all colours from all standard colour charts, including white and very light colours. For metallic finishes, there may be restrictions due to the required chemical resistance; the feasibility of colours must be checked individually.

- Applications**
- Office furniture
 - Automotive industry
 - Laboratory equipment
 - Aviation
 - Medical technology
 - Sanitary facilities
 - Kitchen appliances
 - Brake calipers
 - Rail vehicles
 - Storage facilities
 - Engineering industry
 - Control cabinets
 - Food industry

Technical recommendations
Further information can be found in our technical data sheets and technical recommendations TE 001 and TE 005.

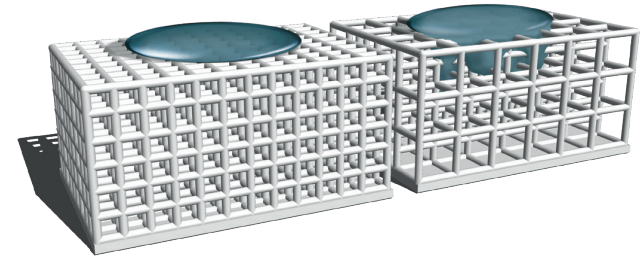
Durability tests
Depending on requirements, we can offer individual durability tests (Charged according to time and effort).

Overview of resistance

Test substance	POLYFLEX® PES-20	POLYFLEX® PES-20 Power	Standard Hybrid Powder Coating	Epoxy Powder Coating
Acetone	• • •	• • • •	•	• •
Alcohol	• • • •	• • • •	• •	• • • •
Petrol	• • • •	• • • •	• • •	• • • •
Disinfection	• • • •	• • • •	• • • •	• • •
Cleaning agent	• • •	• • • •	•	• • • •
Hydraulic oil	• •	• • • •	• •	•
Brake fluid	• • •	• • • •	• •	• •
Acids	• • • •	• • • •	• • • •	• • •
Alkalis (lye)	• • • •	• • • •	• • •	• • •

Application of typical representatives of the aforementioned substance classes under room conditions (<30°C), usual application concentrations and exposure times.

Powder coating cross-linking model



POLYFLEX® PES-20 Power

POLYFLEX® PES-20
The penetration of cleaning agents is largely prevented. (highly cross-linked powder coating)

Conventional powder coating

Conventional powder coating
Cleaning agents can penetrate.

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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