WELCOME TO THE
WORLD OF
KABE FARBEN





POLYFLEX®

PES-20

PES-20 Power

Powder Coatings

kabe-farben.ch

KARL BUBENHOFER AG



For permanently antimicrobial surfaces!

POLYFLEX® PES-20 STERIDUR

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.



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.

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.

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

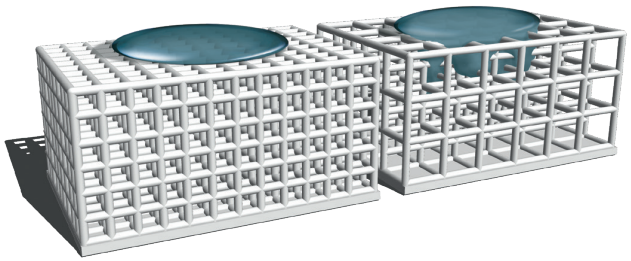
Technical recommendations

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).

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

KARL BUBENHOFER AG | Hirschenstrasse 26 | 9201 Gossau SG, Switzerland
T +41 71 387 41 41 | pulver@kabe-farben.ch | kabe-farben.ch

KABE Powder Coatings Sp. z o.o. | ul. H. Sucharskiego 2 | 77-100 Bytów, Poland
T +48 59 822 22 22 | info@kabe-powdercoatings.com | kabe-powdercoatings.com

KABE Pulverlack Deutschland GmbH | Sofienstrasse 36 | 76670 Graben-Neudorf, Germany
T +49 7255 99 161 | info@kabe-pulverlack.de | kabe-pulverlack.de

GEHOLIT S.a.r.l. | ZI – Route de Munchhausen | 67470 Seltz, France
T +33 3 88 86 80 11 | info@geholit.fr | geholit.fr

KABE SwissGroup

KABE Farben