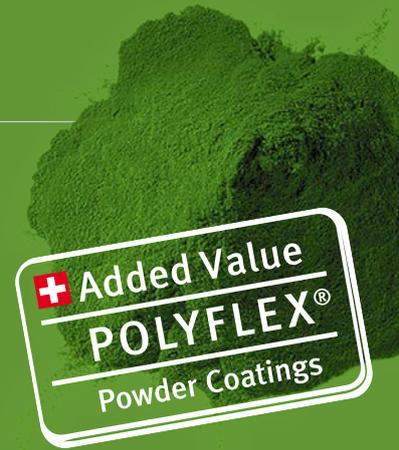


POLYFLEX® PES-20



Bystronic Sales AG



Special powder coating for interior use with excellent resistance to chemicals and fastness to light.

POLYFLEX® PES-20 – the powder coating for the highest standards in terms of chemical resistance.



KARL BUBENHOFER AG

POLYFLEX® PES-20



For a long-lasting anti-microbial surface!
POLYFLEX® PES-20 STERIDUR II



Bystronic Sales AG

Powder coatings are sometimes very sensitive to cleaning chemicals. In case of the tried and tested POLYFLEX® PES-20, the powder coating features an impressive grade of resistance to attack by all types of chemicals.

With its highly cross-linked film, POLYFLEX® PES-20 facilitates the use of aggressive cleaning chemicals, for example to remove cleanly spray-can paints.

The high resistance to chemicals had to be tested with a great number of different substances. The results are by far better than those of conventional powder coatings. Unlike pure epoxy powders, POLYFLEX® PES-20 as special mixed powder is very well resistant to yellowing.

For really challenging substances like hydraulic oils (Skydrol) or brake fluids (Dot 4/5) there is POLYFLEX® PES-20 Power, the even more resistant option of POLYFLEX® PES-20 is available.

The performance profile of POLYFLEX® PES-20: Added value for you!

High Performance

POLYFLEX® PES-20 is proven to be resistant to a very wide range of different chemicals and can therefore be used in a broad field of applications.

Process reliability

Because this high-performance powder coating is a special kind of hybrid powder coating, it is not susceptible to yellowing due to overburning.

Increased safety

Thanks to the highly cross-linked surface, POLYFLEX® PES-20 is above-average resistant to abrasion and scouring. This significantly reduces the risk of paint damages caused by scratches.

Overview of resistance

Test substance	POLYFLEX® PES-20	POLYFLEX® PES-20 Power	Standard hybrid powder coating	Epoxy powder coating
acetone	✓✓✓✓	✓✓✓✓✓	✓	✓✓
alcohol	✓✓✓✓✓	✓✓✓✓✓	✓✓	✓✓✓✓✓
gasoline	✓✓✓✓✓	✓✓✓✓✓	✓✓✓	✓✓✓✓✓
disinfectant	✓✓✓✓✓	✓✓✓✓✓	✓✓✓✓✓	✓✓✓
cleaning agents	✓✓✓✓	✓✓✓✓✓	✓	✓✓✓✓✓
hydraulic oil	✓✓	✓✓✓✓✓	✓✓	✓
brake fluid	✓✓✓✓	✓✓✓✓✓	✓✓	✓✓
acids	✓✓✓✓✓	✓✓✓✓✓	✓✓✓✓✓	✓✓✓
lyes	✓✓✓✓✓	✓✓✓✓✓	✓✓✓✓	✓✓✓



Forster Kitchen

Features: Your benefits!

Outstanding properties

- ✓ Highly resistant to a wide range of common used chemicals and cleaning agents
- ✓ Resistance to yellowing for protection against overburning
- ✓ Anti-graffiti properties
- ✓ High resistance to abrasion and scrubbing
- ✓ Good flow and good flexibility of film
- ✓ Very high chemical resistance
- ✓ Power – version for high-performance coatings

Colours

POLYFLEX® PES-20 is available in almost all colour shades of all the usual colour cards, also in white and in very light colour shades. For metallic work, first check the resistance to chemicals for each specific case.

Applications: Your advantage!

Examples of use

- ✓ office furniture
- ✓ automotive industry
- ✓ laboratory equipment
- ✓ aviation
- ✓ medical technology
- ✓ sanitary fittings
- ✓ kitchen appliances
- ✓ brake callipers
- ✓ rail vehicles
- ✓ warehouse equipment
- ✓ engineering industry
- ✓ switch cabinets
- ✓ food industry

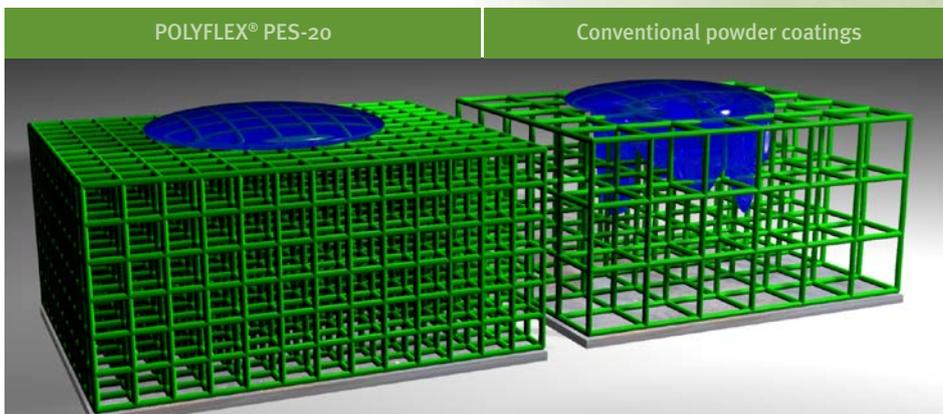
Technical Recommendations

You will find more information in our technical recommendations TE 001 and TE 005. www.kabe-farben.ch

Resistance tests

We can offer resistance tests to suit particular requirements (charged according to outlay).

Pattern of powder coat cross-linking



POLYFLEX® PES-20
Penetration of harmful fluids is prevented (highly cross-linked powder coating).

conventional powder coatings
Fluids can penetrate



POLYFLEX® PES-20 Overview product range

Art. No.	Product	Property	Application	Gloss
12926	POLYFLEX® PES-20	smooth texture, chemical resistant	Interior	gloss 85
12925	POLYFLEX® PES-20	smooth texture, chemical resistant	Interior	silk gloss 60
12929	POLYFLEX® PES-20	smooth texture, chemical resistant	Interior	silk gloss 70
13106	POLYFLEX® PES-20	smooth texture, chemical resistant	Interior	silk matt 40
13568	POLYFLEX® PES-20	smooth texture, chemical resistant	Interior	gloss 85
12898	POLYFLEX® PES-20	Pearl Met. structure medium-fine, chemical resistant	Interior	silk matt
12902	POLYFLEX® PES-20	Pearl Metallic, smooth texture, chemical resistant	Interior	silk gloss 75
12842	POLYFLEX® PES-20	Pearl Met., smooth texture, bonded, chemical resistant	Interior	silk matt 35
12852	POLYFLEX® PES-20	structure rough, Tribo, chemical resistant	Interior	silk gloss
12916	POLYFLEX® PES-20	structure medium-fine, chemical resistant	Interior	silk gloss
12863	POLYFLEX® PES-20	structure medium-fine, chemical resistant	Interior	silk matt
12923	POLYFLEX® PES-20	structure medium-fine, Tribo, chemical resistant	Interior	silk matt
13153	POLYFLEX® PES-20	structure fine, chemical resistant	Interior	matt
12917	POLYFLEX® PES-20	structure rough, chemical resistant	Interior	silk matt
13554	POLYFLEX® PES-20 STERIDUR II	smooth texture, chemical resistant, antimicrobial	Interior	silk gloss 70
13773	POLYFLEX® PES-20 STERIDUR II	structure fine, chemical resistant, antimicrobial	Interior	silk matt
13057	POLYFLEX® PES-20 Tribo	smooth texture, chemical resistant	Interior	gloss 90
12922	POLYFLEX® PES-20 Tribo	smooth texture, chemical resistant	Interior	silk gloss 50
12835	POLYFLEX® PES-20-GU	smooth texture, chemical resistant	Interior	silk gloss 75
13244	POLYFLEX® PES-20-GU Tribo	smooth texture, chemical resistant	Interior	silk gloss 75
12952	POLYFLEX® PES-20-Power	smooth texture, chemical resistant, anti-graffiti	Interior	gloss 90
13667	POLYFLEX® PES-20-Power	smooth texture, chemical resistant, anti-graffiti	Interior	silk matt 40
13824	POLYFLEX® PES-20-Power	Pearl Metallic structure fine, chemical resistant	Interior	silk gloss
13666	POLYFLEX® PES-20-Power	structure fine, chemical resistant, anti-graffiti	Interior	silk gloss
13476	POLYFLEX® PES-20-Power	structure fine, chemical resistant, anti-graffiti	Interior	silk matt
13776	POLYFLEX® PES-20-Power	smooth texture, chemical resistant, anti-graffiti	Interior	silk gloss 75
13100	POLYFLEX® PES-20-UDS	smooth texture, ultra thin, chemical resistant	Interior	silk matt 35

other variations on request!



Forster Kitchens with POLYFLEX® PES-20



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