

WELCOME TO THE
WORLD OF
KABE FARBEN



POLYFLEX® STERIDUR



Powder coatings
kabe-farben.ch



KARL BUBENHOFER AG



POLYFLEX® STERIDUR offers the protection you were looking for

A specially developed additive package allows a special adaptation to the different types of powder coatings. This always prevents reliably the formation of aggressive biofilms and makes POLYFLEX® STERIDUR so unique and safe. The antimicrobial effect of these coatings remains intact for several years and ensures a lasting protection against numerous diseases.

Applications

POLYFLEX® STERIDUR can be used wherever there is an increased risk of microbial films forming. Typical applications include furniture, equipment, ceilings and walls in food preparation areas and medical facilities, for example microwaves, sanitary fittings and medical devices. POLYFLEX®

STERIDUR is the ideal powder coating for surfaces that need effective protection against all types of microbes (moulds, bacteria, algae etc.).

Range

POLYFLEX® STERIDUR is available in standard formulation, that most of the cases offers the requested effect. For special needs we can also offer customized variations. These will be defined with the customers in details and the efficiency will be according to their expectations. With tests in laboratory and certificates we will make sure that the expected result will also be reached.

Product advantages

- Because of the special formulation of STERIDUR, the additive is permanently incorporated into the powder coating, and this allows it to provide long-term protection.
- POLYFLEX® STERIDUR is available in all standard POLYFLEX® powder paints qualities.



Effect spectrum

Gram-positive bacteria

- Staphylococcus aureus (MRSA)
- Enterococcus faecalis (VRE)
- Bacillus subtilis
- Streptococcus faecalis
- Streptococcus pyrogenes
- Corynebacterium xerosis
- Micrococcus luteus
- Listeria monocytogenes
- Listeria welshimeri

Gram-negative bacteria

- Escherichia coli (ESBL)
- Enterobacter aerogenes
- Legionella pneumophila
- Pseudomonas aeruginosa
- Salmonella enteritidis
- Salmonella typhimurium
- Klebsiella aeruginosa
- Salmonella typhimurium
- Vibrio parahaemolyticus

Mold and yeast fungi

- Aspergillus niger
- Penicillium funiculosum
- Chaetomium globosum
- Gliocladium virens
- Aureobasidium pullulans
- Cladosporium cladosporoides
- Penicillium citrinum
- Candida albicans
- Saccharomyces cerevisiae

Algae

- Chlorella pyrenoidosa
- Scenedesmus quadricauda
- Selenastrum capricornutum
- Oocystis vulgaris
- Skeletonema costatum

Results from the test report according to the method JIS Z 2801 : 2000 KABE grey

Checkpoint	Activity	Reduction in %	Interpretation
Candida albicans 10231	> 3,80	> 99,98 %	Good effect!
Escherichia coli ATCC 11229	> 4,60	> 99,99 %	Good effect!
Pseudomonas aeruginosa ATCC 15442	> 4,60	> 99,99 %	Good effect!
Staphylococcus aureus ATCC 6538P	> 4,10	> 99,99 %	Good effect!

POLYFLEX® range overview

Indoor application		
Functional epoxy powder coating		EP-20 GU
Functional epoxy powder coating		EP-25-NT / UNT
Hybrid powder coating with high resistance to cleaning agents		PES-20 GU
Hybrid powder coating with extremely high resistance to cleaning agents (anti-graffiti)	 *	PES-20-Power
Hybrid powder coating with good resistance to cleaning agents		PES-50-NT / UNT GU
Hybrid thin-film powder coating with good resistance to cleaning agents		PES-50-DS / NT
Hybrid powder coating with good resistance to cleaning agents		PES-55-NT / UNT
Thin-film powder coating with good resistance to cleaning agents		PES-55-DS / NT
Hybrid powder coating with very good all-round properties		PES-75-NT
Polyester powder coating for indoor applications with very good all-round properties		PES-96-NT
External use in industry		
Polyester powder coating		PES-136 GU
Polyester powder coating with extremely high resistance esp. to chemical textile finishing agents		PES-138-Power
Polyester powder coating		PES-166-NT GU
Thin-film polyester powder coating		PES-166-NT-DS
Polyurethane powder coating		PUR-125 GU
External application on facades		
Deep-matte facade polyester powder coating		PAC-135
Highly weather-resistant polyester powder coating		* PAC-140-SD
Polyester powder coating Class 1 / standard	   *	PES-135 GU
Highly weather-resistant polyester powder coating Class 2 / HWF	 	* PES-140-SD NT
Polyester powder coating with popular wrinkle effect		PES-150
Polyester powder coating LT Class 1 / standard	 	* PES-165-NT GU
Polyurethane powder coating with extremely high resistance to cleaning agents		PUR-151
Specialities		
High-reactivity powder coatings for use on thermally-sensitive substrates in indoor areas		REACTIVE PES-75
High-reactivity powder coatings for use on thermally-sensitive substrates in indoor and outdoor areas		REACTIVE PES-125
High-reactivity powder coatings for use on thermally-sensitive substrates in outdoor areas, highly weather-resistant		REACTIVE PES-225

* Approvals available depending on version.

Degree of gloss versions

Gloss, silk gloss, silk matte, matte (flat matte)

Surfaces

Smooth, coarse structure, fine structure

Color shades

RAL, RAL-Design, NCS, MCS, Pantone, other color systems or according to your specifications

Special effects and finishes

Hammered finish, metal effect, speckled effect, Decorative effect, 3D effect, transparent, soft-touch

Metallics

Pearl Metallics, Metallics

Special versions with various technical properties of the powder coatings

- Electrically conductive powder coatings, ESD+
- Calorific value-optimised powder coatings
- Antimicrobial powder coatings (STERIDUR)
- Anti-graffiti powder coatings
- Powder coatings with resistance to textile finishing agents
- GU versions for off-gassing substrates
- Thin-film powders
- Non-slip versions for improved printing capability e.g. with screen printing
- Increased abrasion-resistance and resistance to cleaning agents
- Many LT (low-temperature cure) products
- Special powders for vertical application systems

If you have additional requirements, please contact your technical sales consultant. They will be happy to give you further advice.

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

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