

WELCOME TO THE  
WORLD OF  
**KABE FARBEN**



**POLYFLEX®**  
**PES 135-GU**  
**PES 165-NT-GU**



**Powder coatings**  
kabe-farben.ch



**KARL BUBENHOFER AG**



## POLYFLEX® GU and NT-GU powder coatings

**Non-labelled alternatives to PT 910/912 cured powder coatings for porous and hot-dip galvanised substrates.**

Powder coatings from **KARL BUBENHOFER AG**, which have been specifically optimised for gassing and galvanised substrates, are a gift that keeps on giving. They provide you with a high-quality, non-labelled coating solution with GSB and Qualicoat approval. They allow you to increase efficiency and reduce energy costs. The best of both worlds!

Beautifully smooth surfaces on porous or gassing substrates: POLYFLEX® PES-135-GU, PES-165-NT-GU powder coatings from KABE Farben will make it possible. The result is a perfect coating without extra effort.

Specialists know how difficult it is to coat porous or gassing substrates with paint. Even when you put in lots of work to prepare, you cannot prevent

pores and blisters from coming to the forefront after coating with conventional powder coatings.

**POLYFLEX® PES-135-GU and PES-165-NT-GU**, special powder coatings from KABE Farben, were specifically developed for porous and gassing metal substrates, and they meet the strictest requirements. This is self-evident by a direct comparison: it is plain to see that facade elements coated with POLYFLEX® PES-135-GU or PES-165-NT-GU powder coatings are more aesthetically appealing and their surface is smoother.

The PES-165-NT-GU series offers distinct advantages thanks to energy savings in the drying process. Powder coatings can be cured for 10 minutes at an temperature of 160 °C of the coated object.

### Colours

All colour shades – RAL, RDS (RAL Design), NCS(S) – available in different sur-

faces and degrees of gloss. On the customer's request, we also produce our POLYFLEX® powder coatings according to any colour sample. Do not hesitate to contact your KABE Consultant.

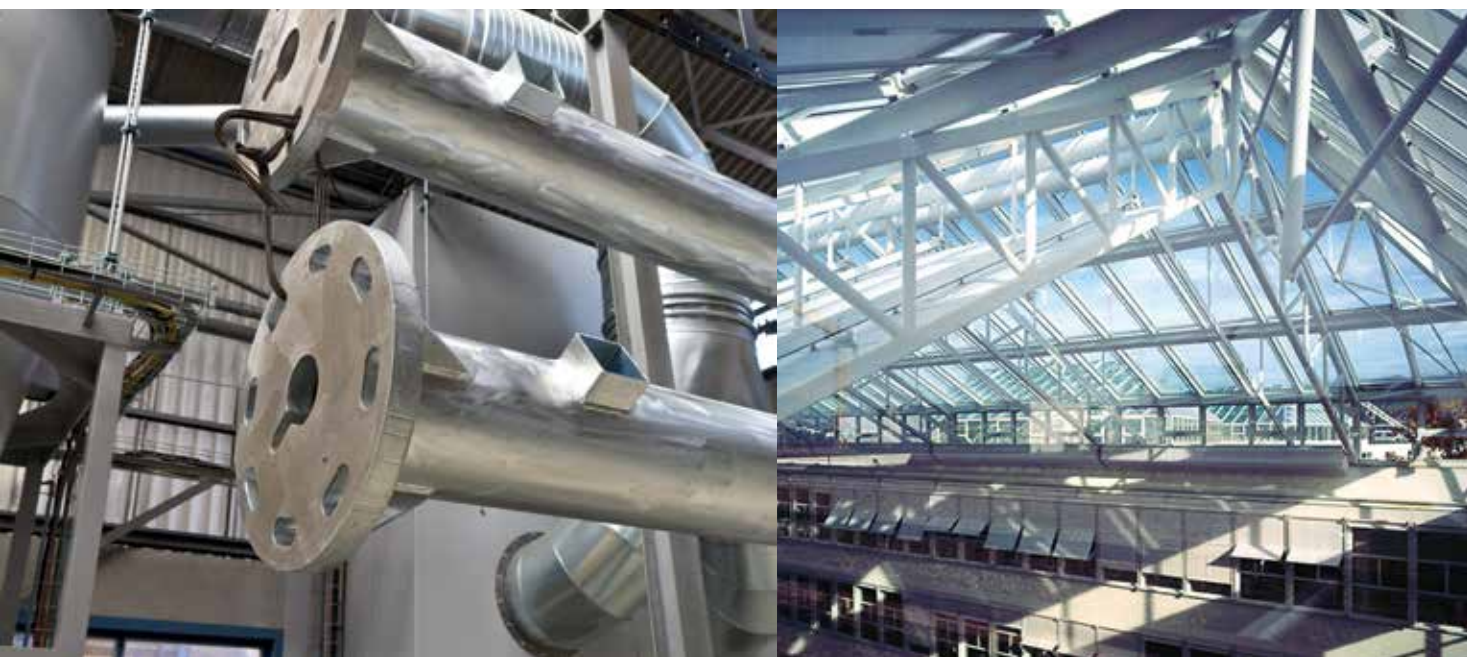
**"All-in-one" product produces savings by eliminating one step of the coating procedure**

POLYFLEX® PES-135-GU or PES-165-NT-GU can be applied like a normal coating paint and requires no additional preparation.

POLYFLEX® powder coating meets the strictest quality standards. It is environmentally friendly and extremely economical to use.

Technical properties of the respective products of POLYFLEX® PES-135-GU and PES-165-NT-GU may vary. Refer to the information sheet of a specific article.





### Advantages

- do not require labelling
- economic
- colour stability
- GSB Standard\* and Qualicoat Class 1\* certification
- beautiful coverage
- excellent degassing properties
- versatile use
- uni and metallic colours
- very good burnout resistance (even with light shades)
- good mechanical resistance
- particularly energy-efficient (PES-165-NT-GU)
- good chemical resistance

- good burnout resistance
- excellent weather resistance
- application as with ordinary powder coating
- with appropriate pretreatment, high resistance to condensation water and salt spray on aluminium and galvanised surfaces
- GSB international certification for hot-dip galvanised substrates (silk gloss)

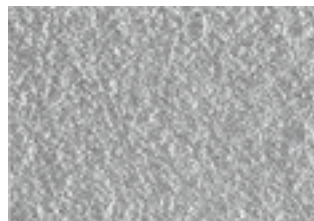
\*) depending on the article, please follow the instructions for use

### Examples of applications

A selection from the wide range of potential applications of POLYFLEX® PES-135-GU and PES- 165-NT-GU:

- supports/poles
- handrails
- galvanised parts in general
- metal facades
- window profiles
- sills
- sound barriers
- door frames

Background material:



Spray-galvanised sheet metal, magnified 25 times

Comparison:



Standard powder coating, magnified 6.5 times












Standard powder paint with degassing additive, mixed by hand, magnified 6.5 times



POLYFLEX® PES-135-GU powder coating for porous, gassing substrates, magnified 6.5 time

## 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

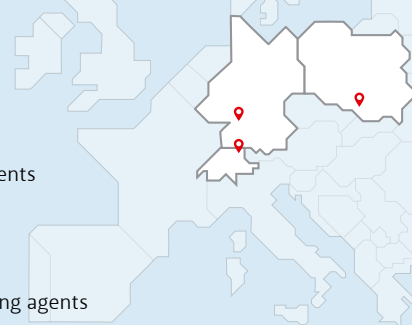
### Metallics

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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