

POLYFLEX® GSB AND QUALICOAT RANGE OF PRODUCTS



POLYFLEX® powder coatings – quality guaranteed

Customer satisfaction and the quality of our products are at the heart of our business.

To improve the effectiveness, efficiency and performance of our top products, Karl Bubenhofer AG offers a comprehensive range of GSB-International and Qualicoat-certified POLYFLEX® powder coatings.

Compliance with the GSB-International and Qualicoat quality labels is tested each year.



KARL BUBENHOFER AG

POLYFLEX® GSB INTERNATIONAL AND QUALICOAT RANGE OF PRODUCTS



Superblock Winterthur, Foto: Lukas Roth, Köln

The certified POLYFLEX® high-quality powder coatings protect your buildings!

If the powder coating of a metal façade is not done in compliance with strict and guaranteed guidelines and quality standards, there is a danger of medium- to long-term damages to appear – not to mention disputes or legal liability issues for the planner and the contractor.

Repairs and renovations are complex and costly.

It has been the ambitious goal of Karl Bubenhofer AG for decades to achieve «absolute top quality» – without lacking flexibility – in order to ensure maximum customer satisfaction.



QUALICOAT Secure quality seal for metal façades coatings

The QUALICOAT organisation was founded at the end of the 1980s. Its members include representatives from the aluminium industry, chemical and powder suppliers and coating companies.

QUALICOAT is a quality-label organisation with the purpose to preserve and continue to develop the quality of paints and coatings on aluminium and its alloys in the field of architecture.

The constant quality assurance and the periodical recertification of Qualicoat from A to Z members provides a continuous, market-compliant and self-critical improvement process.

Powder Class 1

The samples are exposed to weather conditions in Florida for one year, facing south at an angle of 5°.

Powder Class 2

The samples are exposed to weather conditions in Florida for three years, facing south at an angle of 5°, with an annual assessment.

www.qualicoat.net

Your gain – The performance profile of certified POLYFLEX® powder coatings

- ✓ Very good flow
- ✓ Excellent film flexibility
- ✓ Good degassing properties (GU types)
- ✓ Very good weather resistance
- ✓ Excellent resistance to light
- ✓ High opacity
- ✓ yellowing stability for protection against overburning

GSB INTERNATIONAL The reliable partner for architects and builders

GSB International stands since 1977 for quality coatings of aluminium and steel and their alloys in the architectural field, and continues its development.

The coating materials used (liquid and powder coatings) and pre-treatment chemicals are approved by GSB International and monitored annually.

This is achieved through an extensive approval test and annual renewal inspections. Only the coating materials and pre-treatment chemicals approved and monitored by GSB International may be used by the certified coating companies for a GSB coating.

GSB Standard

System for the coating of aluminium, steel and galvanized steel construction elements. The sample are to be exposed in Florida to weather conditions for about 12 months starting in April, facing south at an angle of 5°, until a total UV radiation of 300 MJ/m² is reached.

GSB Master

System for the coating of aluminium construction elements. The sample are to be exposed in Florida to weather conditions for about 36 months starting in April, facing south and at an angle of 45°, until a total radiation of 840 MJ/m² is reached.

www.gsb-international.de

Added Value
POLYFLEX®
Powder Coatings

POLYFLEX®
GSB International and Qualicoat Sortiment










Art. no.	Product designation	GSB	GSB number	GSB Class	Qualicoat	Qualicoat Class	Qualicoat number
11606	POLYFLEX® PES-125-GU Exterior powder, outgassing, smooth, silk gloss	x	906 a	Standard			
12009	POLYFLEX® PES-135 Façade powder, smooth, gloss	x	115 i	Standard			
11718	POLYFLEX® PES-135 Façade powder, smooth, silk gloss	x	115 h	Standard	x	1	P-0153
11993	POLYFLEX® PES-135 Façade powder, smooth, silk matt	x	115 j	Standard	x	1	P-1131
13107	POLYFLEX® PES-135-White Façade powder, smooth, gloss	x	115 i	Standard			
12983	POLYFLEX® PES-135-White Façade powder, smooth, silk gloss	x	115 h	Standard	x	1	P-0153
13058	POLYFLEX® PES-135 Pearl Metallic bonded, smooth, silk gloss	x	115 h	Standard	x	1	P-0153
13111	POLYFLEX® PES-135 Pearl Metallic bonded, smooth, silk matt	x	115 j	Standard	x	1	P-1131
12543	POLYFLEX® PES-135 Pearl Metallic, smooth, gloss	x	115 i	Standard			
12544	POLYFLEX® PES-135 Pearl Metallic, smooth, silk gloss	x	115 h	Standard	x	1	P-0153
12545	POLYFLEX® PES-135 Pearl Metallic, smooth, silk matt	x	115 j	Standard	x	1	P-1131
12827	POLYFLEX® PES-135 Q Façade powder, fine structure, silk matt				x	1	P-0570
13079	POLYFLEX® PES-135-Q Pearl Metallic bonded, fine structure, silk matt				x	1	P-0570
12829	POLYFLEX® PES-135-Q Pearl Metallic, fine structure, silk matt				x	1	P-0570
12568	POLYFLEX® PES-140-SD Highly weather-resistant, smooth, silk gloss	x	115 l	Master	x	2	P-1032
12604	POLYFLEX® PES-140-SD Highly weather-resistant, smooth, silk matt	x	115 m	Master	x	2	P-1269
12885	POLYFLEX® PES-140-SD Pearl Metallic, highly weather-resistant, smooth, silk gloss	x	115 l	Master	x	2	P-1032
12886	POLYFLEX® PES-140-SD Pearl Metallic, highly weather-resistant, smooth, silk matt	x	115 m	Master	x	2	P-1269
13524	POLYFLEX® PES-165-NT Façade powder, fast reactive, smooth, silk gloss	x	115 n	Standard	x	1	P-0937
13540	POLYFLEX® PES-165-NT Pearl Metallic, fast reactive, smooth, silk gloss	x	115 n	Standard	x	1	P-0937
14069	POLYFLEX® PAC-140-SD Highly weather-resistant, smooth, matt				x	2	P-1393
14239	POLYFLEX® PAC-140-SD QUALIBOND Pearl Metallic, highly weather-resistant, smooth, matt				x	2	P-1393
14286	POLYFLEX® PES-140-SD QUALIBOND Pearl Metallic, highly weather-resistant, smooth, silk matt	x	115 m	Master	x	2	P-1269
14512	POLYFLEX® PES-140-SD QUALIBOND Pearl Metallic, highly weather-resistant, smooth, silk gloss	x	115 l	Master	x	2	P-1032
13730	POLYFLEX® PES-140-SD Pearl Metallic, highly weather-resistant, fine structure, matt				x	2	P-1528
13828	POLYFLEX® PES-140-SD Highly weather-resistant, fine structure, matt				x	2	P-1528
14513	POLYFLEX® PES-140-SD QUALIBOND Pearl Metallic, highly weather-resistant, fine structure, matt				x	2	P-1528

POLYFLEX® Overview of our assortment

Interior use

Functional powder coating epoxy base		EP-20
Functional powder coating epoxy base (NT)		EP-25 (NT)
Powder coating with high chemical resistance		PES-20
Powder coating with maximum chemical resistance (anti-graffiti)		PES-20-Power
Powder coating with improved abrasion resistance		PES-30
Powder coating with very good universal properties		PES-50
Powder coating for ultra-thin layer with very good universal properties		PES-50-UDS/DS
Powder coating with very good universal properties (NT)		PES-55 (NT)
Powder coating for ultra-thin layer with very good universal properties (NT)		PES-55-UDS/DS (NT)
Powder coating with very good universal properties (NT)		PES-75 (NT)

Facade exterior

Powder coating polyester class 1/standard			PES-135
Powder coating polyester (NT) class 1/standard			PES-165 (NT)
Powder coating polyester high weather resistance class 2			PES-140-SD
Powder coating polyurethane high weather resistance (anti-graffiti)			PUR-151
Depp matt powder coating system			PAC-135
Depp matt powder coating highly weather resistant class 2			PAC-140-SD

Industry exterior

Powder coating polyester for gasifying substrates (NT)		PES-125-GU (NT)
Powder coating polyester		PES-136
Powder coating polyester (NT)		PES-166 (NT)
Powder coating polyester for ultra-thin layer (NT)		PES-166-UDS/DS (NT)
Powder coating polyurethane for gasifying substrates		PUR-125-GU
Powder coating polyurethane (optional with anti-graffiti)		PUR-151/PUR-125
Powder coating polyester lubricant resistant		PES-138

NT = Low temperature powder coatings

Gloss levels available

Gloss, silk-gloss, silk-matt, matt (deep matt)

Surfaces

Smooth, rough structure, medium-rough structure, fine structure

Colors

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

Special effects and surfaces

Hammered, metallic effect, micaceous effect, decor effect, 3-D effect, transparent, soft feel touch

Metallic

pearl métallic, metallic, Qualibond, Megabond

Special powder coatings

- Mimicking corten steel, concrete, patina, yellow rust, red rust, green rust, bronze, rubine and gold
- Transparent powder coatings
- Powder coatings for alternative substrates

Special versions with different technical properties of powder coatings

- Electrically conductive powder coatings (ESD)
- Powder coating with optimized flammability rate
- Permanent protection powder coating (STERIDURII)
- Anti-graffiti powder coating
- Lubricant resistant powder coating
- GU type for gasifying substrates
- Variation in ultra-thin, thin layer, special grinding for vertical plants
- Variation anti-slip for a good print-ability for ex. screen printing
- High abrasion and chemicals resistance
- Many low temperature powder coatings (NT)

To meet all other requirements, contact yours sales consultant who will be pleased to advise you on the different possibilities for your application.

