

SUPER DURABLE

QUALICOAT CLASS 2
POWDER COATINGS





THE RIGHT COATING SOLUTION FOR HIGH-END OBJECTS AND ARCHITECTURE

Today, QUALICOAT Class 2 powders are synonymous with super-durable powder coating solutions. They offer 200% greater durability compared to Class 1 powder coatings and provide many additional advantages.



Superior resistance to UV radiation and weathering proven to last three times longer in natural exposure environments while maintaining durable colour and gloss retention compared to Class 1.



Enhanced durability and the ability to maintain very high gloss after exposure in accordance with the strictest specifications for Qualicoat Class 2, making it ideal for demanding outdoor environments and high-value applications.



Exceptional colour stability combined with a broad range of colours, gloss levels, and special effects, ensuring both consistency and versatile design options.



Excellent protection against weather conditions like humidity and temperature fluctuations.



Eco-friendly formulation with reduced emissions and minimal waste during application.



APPLICATION AREAS



BUILDING COMPONENTS

- Aluminium windows and frames
- Facade elements
- Decorative structures



GARDEN AND PUBLIC FURNITURE

- Outdoor dining sets and lounge furniture
- Pergolas and gazebos
- Lighting fixtures
- Gates and fencing



INDUSTRIAL EQUIPMENT

- Agricultural and construction machinery, vehicles and equipment
- Metal objects requiring excellent corrosion and UV resistance

TECHNICAL PROPERTIES

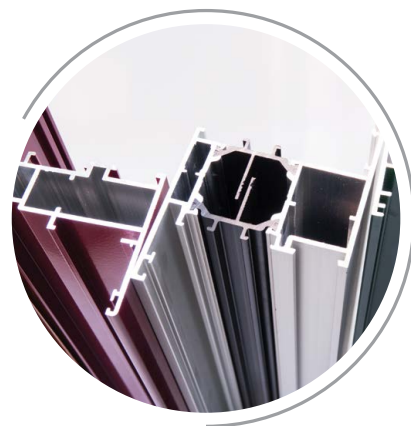
	SMOOTH MATT CAT. 1	SMOOTH GLOSSY CAT. 3	FINE TEXTURED MATT CAT. 1
Finish	Smooth matt	Smooth Glossy	Fine textured matt
Brilliance	From 0 to 30+/- 5 units	From 71 to 100+/- 10 units	From 0 to 20+/- 5 units
Density	From 1,25 to 1,80 gr/cm ³ according to the colour	From 1,25 to 1,80 gr/cm ³ according to the colour	From 1,25 to 1,80 gr/cm ³ according to the colour
Film thickness	From 60 to 140 µm according to the colour	From 60 to 140 µm according to the colour	From 60 to 140 µm according to the colour
Adhesion	Gt 0 DIN 53151	Gt 0 DIN 53151	GtO DIN 53151
Impact	>25 cm/kg ISO 6272	>25 cm/kg ISO 6272	>25 cm/kg ISO 6272
Cupping	>5 mm ISO 1520	>5 mm ISO 1520	>5 mm ISO 1520
Mandrel Bending	>5 mm ISO 1590	>5 mm ISO 1590	>5 mm ISO 1590
NSS	1000h 0,5mm ASTM B 117-94	1000h 0,5mm ASTM B 117-94	1000h 0 5mm ASTM B 117-94
Humidity resistance	1000h unchanged ISO 6270	1000h unchanged ISO 6270	1000h unchanged ISO 6270
Accelerated Aging	1000h, <10% loss of gloss (Qualicoat Cl. 2 specifications) ISO 16474-2	1000h, <10% loss of gloss (Qualicoat Cl. 2 specifications) ISO 16474-2	<10% loss of gloss (Qualicoat Cl. 2 specifications) ISO 16474-2
Florida	36 months, <50% loss of gloss (Qualicoat Cl. 2 specifications) ISO 2810	36 months, <50% loss of gloss (Qualicoat Cl. 2 specifications) ISO 2810	36 months, <50% loss of gloss (Qualicoat Cl. 2 specifications) ISO 2810
Application	Suitable for all common processes (Corona, Tribo)	Suitable for all common processes (Corona, Tribo)	Suitable for all common processes (Corona, Tribo)
Curing conditions	180 °C X 20-30' (object temperature)	180 °C X 20-30' (object temperature)	180°Cx20-30 (object temperature)



ADVANCED COATINGS FOR LASTING PROTECTION AND VERSATILE APPLICATIONS

KANSAI HELIOS Super Durable Powder Coatings combine durability and aesthetics in a seamless solution. These advanced coatings are engineered to provide **exceptional resistance to UV light, moisture, and wear**, making them the perfect solution for demanding outdoor applications. With their ability to **maintain vibrant colours** and **reliable protection over time**, they ensure your products stand out and endure.

- Endless colour choices from standard RAL shades to customized NCS and Pantone colours.
- Metallic and pearlescent finishes.
- Various gloss levels, structured finishes and special effects.
- High-quality results for intricate designs.



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- For a comprehensive overview of our full product range and system supplier offerings, please visit our website at www.kansai-helios.industry.com



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