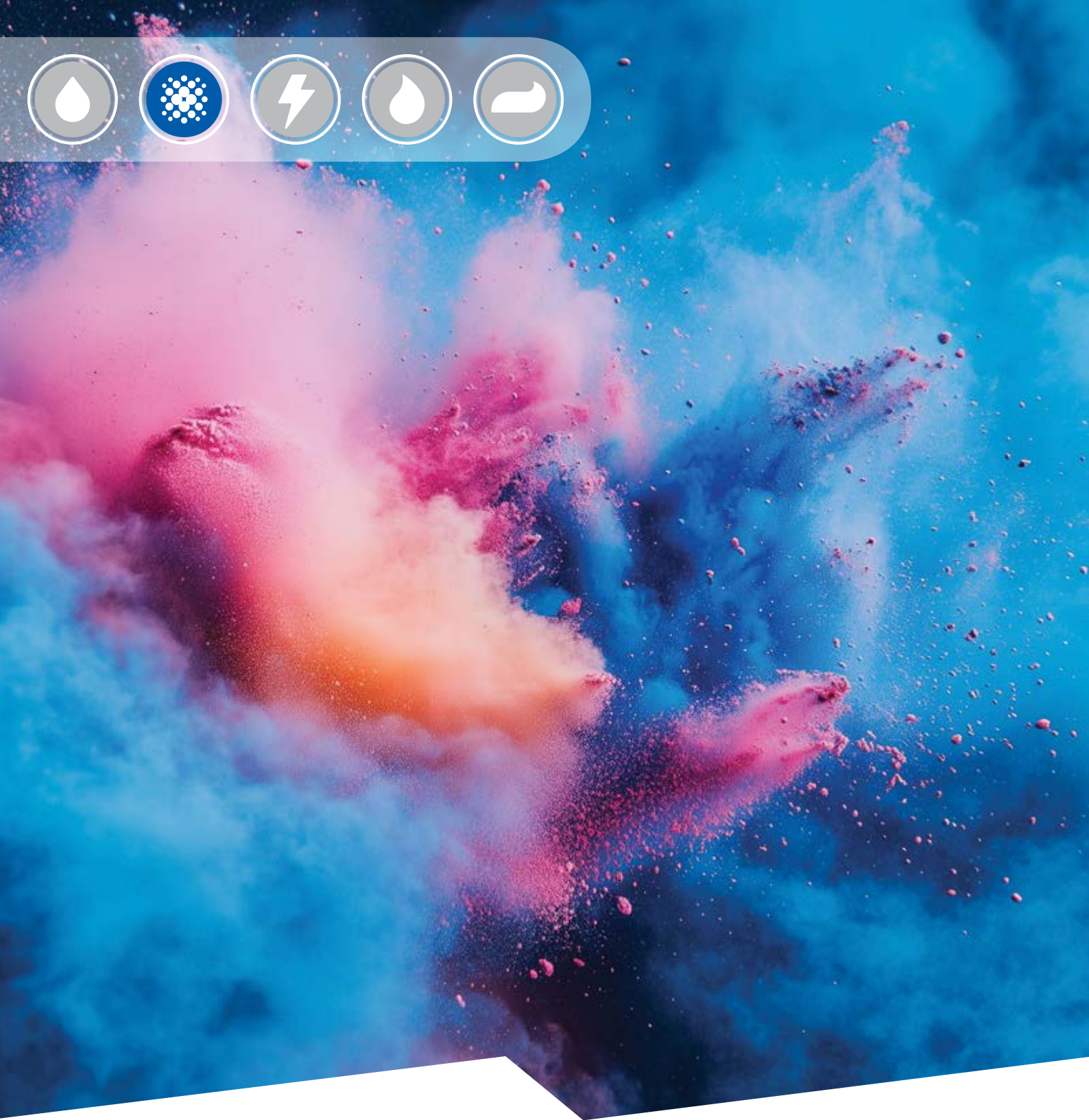




POWDER COATINGS

YOUR SYSTEM SUPPLIER FOR INDUSTRIAL COATINGS



www.kansai-helios-industry.com



ALL COATINGS FROM ONE SOURCE

KANSAI HELIOS is your reliable partner and specialist for industrial coatings and one of the few complete system suppliers in Europe, offering perfectly aligned coating systems: **liquid coatings, powder coatings, gelcoats, e-coat as well as industrial adhesives and sealants.**

The example of an agricultural vehicle illustrates this: During the horizontal coating of the various car parts, different

paint systems are used side by side on different surfaces and components. The **perfect match of the different coating systems** in terms of color shade, surface finish, gloss level and aging properties is particularly important for the manufacturer. We know these requirements and support our customers with the experience and know-how of our technicians.

INTERNATIONAL KNOW-HOW AND LOCAL SUPPORT

KANSAI HELIOS is one of the top European producers of industrial coatings, chemicals for bleaching and cleaning, materials for sticking and sealing, high-quality resins, decorating paints and refinishing coatings.

As part of KANSAI PAINT, one of the world's leaders in the paints and coatings industry, KANSAI HELIOS represents the European competence center of the group. State-of-the-art coating technologies, an international team of experts and an explicit customer focus make KANSAI HELIOS your reliable partner for all industries.

We focus on high-quality products, long-term cooperation and a strong technical support. With our own modern and fully equipped production sites and our well-located field offices throughout Europe, KANSAI HELIOS serves customers in more than 60 countries worldwide. We share our long-term experience with our business partners through KANSAI HELIOS Master Classes – a high-level learning and networking platform with webinars, IKI symposia and technical trainings.

"DESIGNING EXCELLENCE" – R&D AT THE HIGHEST LEVEL

At KANSAI HELIOS research and development is based on the highest standards, extensive know-how and a passion for inventive product solutions. We drive progress and innovation in our high-end laboratories. Looking far ahead, our experienced R&D teams formulate, develop and test high-performance coatings and paints, chemicals for bleaching and cleaning as well as materials for sticking and sealing that meet the high criteria of future product quality – especially with regard to the environment.

CREATING MORE VALUE FROM LESS RESOURCES

KANSAI HELIOS Group is committed to the principles of sustainable development and relies on clean, energy-saving production technologies and the responsible use of resources. Accordingly, environmental protection and a strong ESG management are a key focus for us, not only in product development, but along the entire value chain and in all areas of the Group.

COMBINING FUNCTIONALITY AND AESTHETICS FOR ALL SURFACES

At KANSAI HELIOS, we provide powder coating solutions that meet both **high functional standards and aesthetic surface requirements**. Our versatile coatings offer a **wide range of capabilities**, an extensive colour palette as well as textured finishes and metallic effects. Each formulation is developed to deliver innovative functionalities and distinctive appearances adapted to individual applications. As a **system supplier**, we ensure that all our coatings and adhesives are perfectly aligned and create a cohesive finish.

Our **standard powder coating assortment** offers a broad selection of high-quality solutions designed to meet the most common industrial requirements and to provide reliable and efficient coating options for diverse applications. Backed by extensive research and development, our standard products ensure consistent quality, excellent protection, and aesthetics.

However, we also recognize that every project comes with its own set of challenges and requirements. That's why we specialize in **tailor-made powder coating solutions**, developed in close collaboration with our customers to meet their specific needs. Whether it's achieving unique surface properties, enhancing functionality, or complying with strict industry regulations, our expert team works to create formulations that surpass all expectations. From concept to final product, we ensure that every coating is precisely tailored to provide the perfect fit for your application.



SERIES	ADVANTAGES	CHARACTERISTICS & APPLICATIONS	AREA
HYBRID POWDER COATINGS	- Many different types - High energy-saving potential - High flexibility	Hybrid powder coatings are based on polyester and epoxy resins. Due to their excellent all-round properties, they are the most used powder coatings in the coatings sector. They are versatile in use and meet many requirements for indoor goods, e.g., for control cabinet assembly, steel furniture, shelves, fire extinguishers and also for colored bottles, clay pots, etc.	Indoor
EPOXY POWDER COATINGS	- Excellent corrosion protection - Good adhesion properties - Highly functional coating	Due to their outstanding chemical resistance, the various types and their functionality, the epoxy coating systems are highly economical and versatile interior coatings. They can be used as primer to increase protection against corrosion, as single-layer solution for automotive suppliers or as highly reactive NT powder coating.	Indoor & Outdoor
POLYESTER POWDER COATINGS	- Excellent weather resistance - Good flexibility - Outstanding adhesion properties	These powder coatings with their universal quality, high scratch resistance and high elasticity are ideally suited for universal indoor and outdoor applications like facade elements, noise barriers or industrial goods.	Indoor & Outdoor
POLYURETHANE POWDER COATINGS	- High chemical resistance - Good mechanical properties - Excellent levelling	Polyurethane powder coatings are universal coatings which perfectly suit for indoor and outdoor applications, e.g., for facades, construction machinery, outdoor facilities, noise barriers or industrial goods. Providing high scratch resistance and elasticity it is an ideal coating for gardening, agricultural tools and machinery which are exposed to high mechanical stress.	Outdoor

ADVANTAGES OF KANSAI HELIOS POWDER COATING SOLUTIONS

Powder coatings offer **numerous advantages**, making them an ideal choice for all kinds of applications. With just a **single layer**, they provide outstanding decorative protection alongside **exceptional physical and chemical properties**. The process boasts a high level of paint utilization and is both **easy to apply** and **highly compatible** with automated systems.

Additionally, our well-equipped analytical laboratory ensures the highest quality standards, and our in-house Research & Development department continuously innovates to meet and exceed market demands.

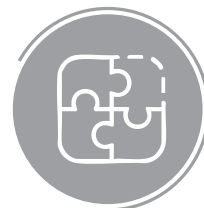
As a group, we have decades of experience in the field of powder coatings, allowing us to specialize in producing large quantities efficiently and quickly. Our standard products are always in stock, ensuring prompt availability for our customers. Furthermore, we offer our own bonding solutions and provide Qualicoat approved powder coating solutions, guaranteeing superior performance and reliability.



Access to a diverse range
of powder coating types



Extensive palette of colour
and finish options



Flexibility in meeting and
exceeding unique requirements



Dedication to tailored
solutions across all sectors

WITH FLEXIBLE
PRODUCTION
AND QUICK
DELIVERIES,
WE KEEP YOUR
PROJECTS ON
TRACK

MAXIMIZING PRODUCT ADVANTAGES — ACHIEVING ENVIRONMENTAL OBJECTIVES



SUSTAINABLE POWDER COATING SOLUTIONS

Powder coatings are **inherently environmentally friendly**, as they contain **no solvents** and produce **minimal material waste**. Their unique properties make them an excellent choice for industries striving to reduce their environmental footprint while maintaining high performance. Their benefits go beyond sustainability, providing innovative solutions that contribute to more efficient, economical, and eco-conscious operations.

Consult us for technical support and advice on more sustainable application methods and developments:

- Energy-saving plant technology
- Utilization of exhaust air energy from curing oven
- IR-oven technology
- Optimized oven and temperature control



Reduced energy
consumption



Minimized CO₂
emissions



Fostering environmentally
friendly product applications



Contribution to the
circular economy



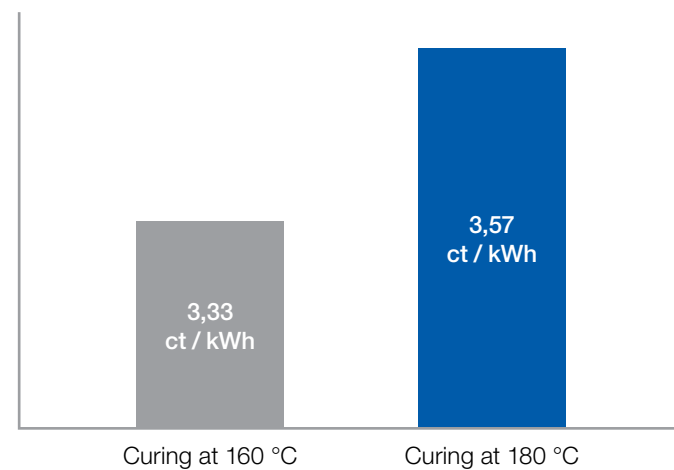
Balancing ecological and
economical goals

LOW-TEMPERATURE POWDER COATINGS

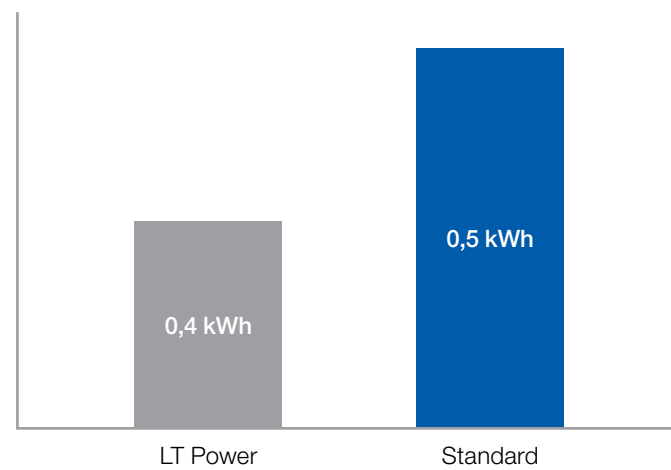
Our advanced low-temperature coating solutions enable you to reduce your energy consumption, thereby boosting efficiency. This not only enhances productivity but also contributes to a more sustainable production process.

- Curing temperature between 140°C to 160°C
- Up to 20% reduction of energy consumption
- 25% higher application speed

ENERGY COSTS



ENERGY CONSUMPTION



GREEN POWDER

Green powder coatings are available as mixed polyester-epoxy or pure polyester powders, formulated with high-quality resins and hardeners. They offer a wide range of colors and gloss levels, ensuring a perfect match for any application.

- Crafted from renewable and recycled raw materials with 100% re-use rate
- Minimizes waste
- Levelling and mechanical properties comparable to standard materials

POWDER-IN-POWDER APPLICATION

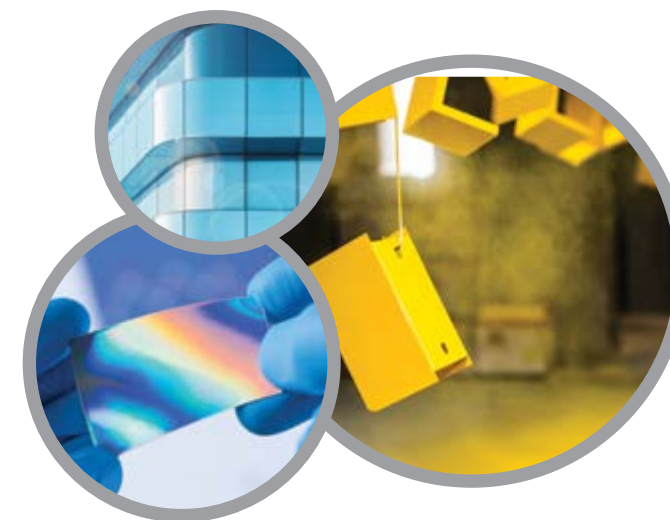
This coating process allows for the application of two layers in a single oven cycle, ensuring efficiency and time savings. With flexible application techniques, we can cater to a variety of needs, while providing excellent corrosion resistance for long-lasting protection.

- PE + PE: 1500h salt spray test on galvanized substrate
- EP + PE: 1500h salt spray test DTM
- EP/PE + PE: 1000h DTM

THERMO-REFLECTIVE POWDER COATINGS

Thermo-reflective powder coatings help stabilize the temperature of buildings by reflecting solar radiation. This keeps colored surfaces cooler and, in turn, maintains a cooler interior environment.

- Increases lifetime of coated surfaces by reflecting solar radiation
- Increases thermal efficiency
- Reduces energy costs for cooling systems



PERFORMANCE POWDER COATING SOLUTIONS

Performance is key when it comes to industrial coatings. Our high-quality powder coatings are engineered to provide **outstanding durability, superior mechanical properties, and excellent resistance to chemicals, corrosion, and weathering**. Designed for demanding applications, these solutions ensure long-lasting protection and aesthetic appeal, meeting the highest industry standards.

DURABLE QUALICOAT CLASS 1 POWDER COATINGS

Qualicoat Class 1 powder coatings are designed to provide an economical way to achieve excellent service life for powder-coated aluminum. These coatings are widely used in architectural applications and are known for their good weathering and UV resistance, as well as their outstanding mechanical properties and corrosion protection.

- Excellent durability, UV resistance, and corrosion protection
- Wide range of approved finishes, gloss levels, and 500+ RAL colors in stock

SUPER DURABLE QUALICOAT CLASS 2 POWDER COATINGS

Super durable powder coatings are high-performance coatings that guarantee exceptional resistance. These coatings are particularly suitable for demanding outdoor applications and high-end architectural projects, maintaining vibrant colors and reliable protection over time.

- Ideal for demanding outdoor and high-value applications
- Eco-friendly with reduced emissions and minimal waste

ANTI-CORROSION POWDER COATINGS

Anti-corrosion powder coatings protect metal surfaces from rust and corrosion, which can significantly extend the lifespan and performance of the coated items. They form a strong layer that shields the metal from moisture, chemicals, and physical wear.

- Corrosion protection in humid, saline, and polluted environments
- Conceals imperfections for a smooth, aesthetic finish
- Eco-friendly, Qualisteelcoat-approved options

SCRATCH-RESISTANT POWDER COATINGS

Scratch-resistant powder coatings are designed to provide a durable and protective finish that resists scratches, abrasions, and marring by forming a tough, resilient layer that can withstand the forces exerted by sharp objects and friction. They are particularly useful for applications where the appearance and longevity of the surface are critical.

- Available in all powder types with high surface hardness
- Ideal for wear-resistant, long-lasting applications
- Perfect for metal furniture, appliances, car parts, and fences

BONDED-METALLIC-EFFECTS POWDER COATINGS

Bonded-metallic-effects powder coatings provide a consistent and visually appealing metallic finish by incorporate metallic pigments which are bonded to the powder coating particles. This bonding process ensures a more uniform application and better performance compared to unbonded metallic powder.

- Even dispersion and stable bonding of metallic pigments, resulting in a durable and vibrant finish
- Ensures better metal particle dispersion and stable effect/colour in the finished product
- Allows reuse of up to 30-35% recycled overspray



SPECIAL POWDER COATING SOLUTIONS

Some applications require more than just standard protection. Our special powder coating solutions are designed to meet unique challenges, offering advanced functionalities such as **heat resistance, anti-graffiti properties, antimicrobial protection**, and more. Whether for highly specific industrial needs or pioneering innovations, these coatings provide tailored solutions that go **beyond conventional performance**.

ANTIBACTERIAL POWDER COATINGS

Antibacterial powder coatings are formulated to inhibit the growth of harmful microorganisms such as bacteria, mold, and fungi on surfaces. By incorporating active agents, these coatings disrupt the cellular functions of microbes, preventing them from multiplying and forming colonies.

- Prevents migration of active chemicals in the cured film
- Ensures no contamination of materials in contact with antibacterial surfaces
- High antimicrobial efficacy and low toxicity with long-lasting

NO-BLOOMING POWDER COATINGS

No-blooming powder coatings prevent the formation of a white haze, known as blooming, on coated surfaces. This haze can occur due to various factors and not only affects the aesthetic appeal of the coating but can also lead to long-term degradation. These coatings are therefore particularly valuable for preserving both the aesthetics and structural integrity of coated surfaces.

- Prevents white haze formation on coated surfaces
- Overcomes issues causing blooming
- Specially formulated polyester powder coating reduces oven temperature

HIGH-TEMPERATURE POWDER COATINGS

Withstanding extreme heat, high-temperature powder coatings provide a durable and protective finish to coated surfaces, making them ideal for applications that involve high operating temperatures.

- Ideal for high-heat applications with heat resistance up to 300°C - 500°C
- Available in fine textured matt and smooth matt finishes
- Curing temperature of 210°C

ECOSUBLIFIX POWDER COATINGS

Ecosublifix powder coatings are crafted to offer superior performance in sublimation processes, ensuring high-quality results for intricate designs. They are formulated to provide excellent weather resistance and maintain their appearance and integrity over time.

- QUALIDECO Class 1 and Class 2 approved
- Special polyester super durable powder coatings for thermal sublimation
- Designed for aluminium profiles and facades with excellent outdoor resistance

ANTISTATIC POWDER COATINGS

Antistatic powder coatings are designed to reduce or eliminate the buildup of electrostatic charge on surfaces. This prevents electrostatic discharge (ESD), making these coatings especially useful in environments where static electricity can pose safety hazards or damage sensitive electronic components.

- Minimizes electrostatic charge on metal surfaces
- Protects sensitive components from high-voltage discharge
- Ensures personnel safety in high-risk areas





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Scan the **QR-code** to find your local contact.

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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