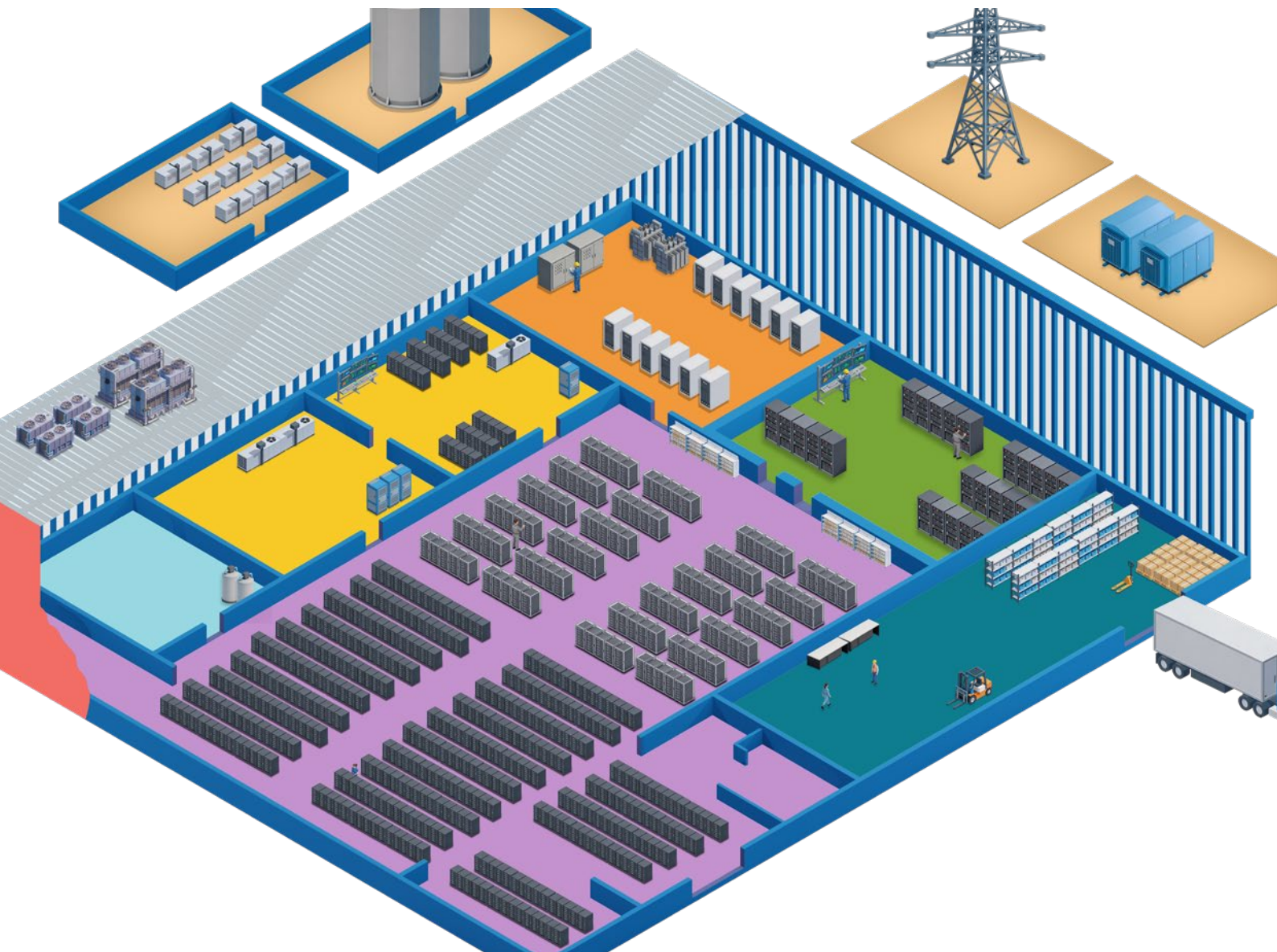


DATA CENTRE FACILITY GUIDE

COATING SOLUTIONS





CONSIDER THIS YOUR ROADMAP FOR MEETING THE PROTECTION NEEDS OF MISSION-CRITICAL DATA CENTRES

Built for the Realities of Modern Data Centre Construction

The data centre industry is experiencing unprecedented growth. As demand for capacity rises, facilities must be designed and built faster, all without compromising reliability, performance, or long-term uptime.

At Sherwin-Williams, we work alongside owners, contractors, and designers to help meet these demands and support the infrastructure powering worldwide data growth.

Through **tailored protection for mission-critical infrastructure, proven systems designed for every area of the campus, and global expertise backed by a reliable supply**, we help construction project teams manage risk while keeping projects moving forward.

This guide is designed
to help you:

- simplify specification decisions,
- reduce coordination challenges, and
- select coatings systems that support long-term performance.

HELPING FACILITIES STAND UP TO WORLDWIDE DATA DEMAND

Protection for Every Area Across the Campus

Data centres are built on infrastructure that cannot fail. Our coatings systems are uniquely designed to protect these critical environments and assets for the long haul.

Essential operations happen throughout the campus: water infrastructure that supports critical cooling operations, power systems that keep facilities online and the lights on, and flooring that supports server environments. We provide high performance coatings that support these operations, delivering surface protection and durability that ultimately support a longer lifecycle for the data centre and the raw data it produces.



Speed. Delivered.

Our complete coatings systems support faster and more streamlined construction with rapid cure time, fewer coats, and a team of technical support experts from start to finish. Our single-coat technologies eliminate the need for primers, reducing application steps, labour requirements, and site visits. Shop-applied coating systems further streamline installation by shifting work offsite and improving schedule predictability.

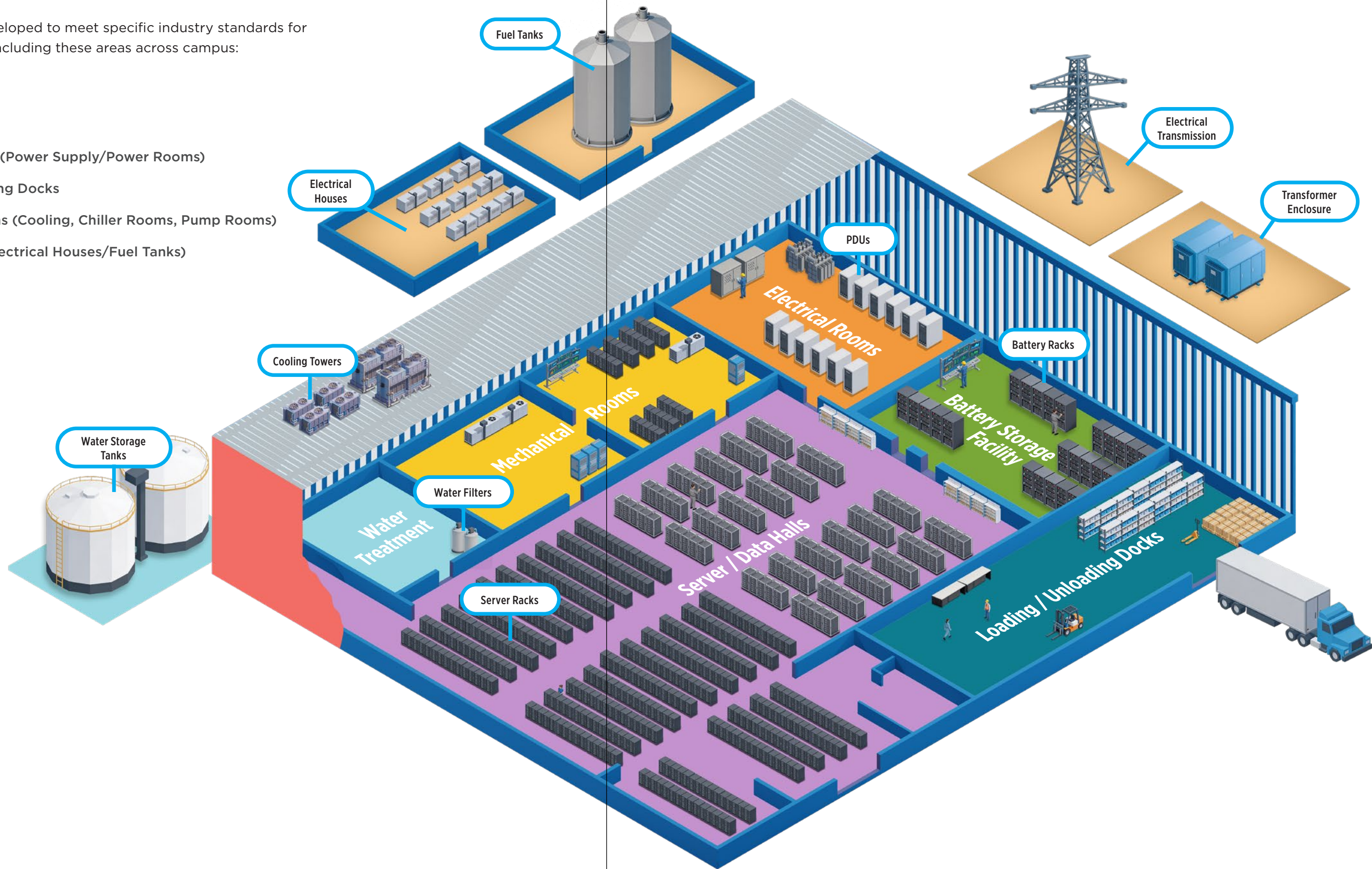
When protection decisions are made early, and aligned across stakeholders, projects move faster and function longer with fewer disruptions.

DATA CENTRE FACILITY

A GUIDED LOOK AT PROTECTION
ACROSS THE DATA CENTRE CAMPUS

Our coatings are developed to meet specific industry standards for use in data centres, including these areas across campus:

- Battery Storage
- Cooling Towers
- Electrical Rooms (Power Supply/Power Rooms)
- Loading/Unloading Docks
- Mechanical Rooms (Cooling, Chiller Rooms, Pump Rooms)
- Power Supply (Electrical Houses/Fuel Tanks)
- Server/Data Halls
- Water Treatment
- Exterior



DATA CENTRE FACILITY

AREA DESCRIPTIONS

Battery Storage ●

This environment is one of the most chemically aggressive environments in the data centre. Battery systems are vital as they store energy for the uninterruptible power supply (UPS). Acid spills can prove catastrophic if the floor and other areas within these environments aren't protected.

Cooling Tower ●

Cooling towers reject heat from the data centre's cooling loop to the atmosphere. They use large volumes of water, and that water is generally treated with chemicals. Evaporation from the towers create a constantly wet and chemically aggressive environment around the base of the towers.

Electrical Rooms ● (Power Supply/Power Rooms)

These rooms generally house the main switchgear and power distribution units providing additional power to the data centre. These rooms are also critical to maintaining uninterrupted power to the data centre.

Loading/Unloading Docks ●

This is where servers, batteries, generators, chillers, switchgear, and all other heavy equipment arrives. Forklifts, pallet jacks, and heavy loads are the norm. Hydraulic fluid, fuel, and oil spills can happen.

Mechanical Rooms ● (Cooling/Chiller Rooms/Pump Rooms)

This is where the cooling magic happens. Chillers, chilled water pumps, condenser water pumps, air handling units, and all associated piping and valving generally live here. These rooms are loud, often humid, and see regular maintenance activity. Condensation on the pipe surface below the insulation is a constant threat.

Power Supply ● (Electrical Houses/Fuel Tanks)

Transformers, fuel systems and other power generation equipment are critical to maintaining uptime for data centres. Protection for these energy assets is critical to data centre operations and should work to extend the life of these assets.

Server/Data Halls ●

This is the heart of the data centre where rows of server racks sit processing large amounts of data every second. An area that is so vital to the operation of the data centre requires a level of protection that ensures the mission critical infrastructure in these spaces stays online. Any contamination can cause hardware failures.

Water Treatment ●

Data centres with certain cooling systems typically have water treatment systems meant to control corrosion and contaminant growth in the cooling water loop. These water treatment systems use treatment chemicals that can damage the surrounding infrastructure if that infrastructure is not properly protected.

Exterior ●

Protection starts on the exterior of the data centre. This is the first line of defense against the elements and requires thoughtful protection to keep mission critical assets safe.

PRODUCT

	Battery	Cooling	Electrical	Docks	Mechanical	Power	Server/Data	Water	Exterior	Modular	Shop
STRUCTURAL STEEL											
FIRETEX®	●		●			●			●	●	
Kem-Kromik™ 155									●	●	
Macropoxy® 2600			●		●			●	●	●	
Macropoxy® 4600			●		●			●	●	●	
Zinc Clad® II EU									●	●	
Zinc Clad® R Plus								●		●	
Acrolon® 7700								●	●	●	
FLOORING SYSTEMS											
Resuflor Topcoat			●		●	●					
Resuflor Topcoat SR2				●							
Resuflor Topcoat HTS	●										
Resuflor NL Topcoat	●										
Resuflor Topcoat SDU (ESD)						●					
Resuflor Topfloor SL SDU (ESD)						●					
Fastop SL45 SRA				●	●						
Resuflor Industry SR				●							
WALLS											
Resuwall™	●		●		●	●	●				
MISCELLANEOUS METALS											
Sher-Loxane® 800	●				●		●	●	●	●	
Macropoxy® 646	●				●		●	●			
TANK LININGS											
Dura-Plate® UHS		●			●	●	●				
SECONDARY CONTAINMENT											
ControlTech™ systems			●		●		●				
PIPES											
Heat-Flex® AEB					●	●	●				
MODULAR CONSTRUCTION											
Acrolon® EG120								●	●	●	
Acrolon® PUR Color Plus								●	●	●	

FEATURED SYSTEMS

STRUCTURAL STEEL

FIRETEX® ●●

A range of intumescent fire protective coatings for exposed structural steel. Provides durable fire resistance that can be applied on and off-site.

Kem-Kromik™ 155 ●

A single-component, quick-drying alkyd primer designed to provide effective corrosion protection for steel and other substrates. The product's fast drying properties help improve application efficiency, and its solvent-based chemistry supports reliable performance in demanding environments.

Macropoxy® 2600 ●●●

An epoxy for corrosion protection of structural steel. Protects steel enclosures, cable trays, and steel members from moisture-driven corrosion in power distribution areas. At power supply facilities, it builds corrosion resistance on fuel system piping, generator enclosures, and electrical house exteriors.

Macropoxy® 4600 ●●●

A high-solids epoxy primer for steel in demanding outdoor environments. Applied to transformer housings, e-house exteriors, and structural steel supporting power infrastructure.

Zinc Clad® 2500 ●

An inorganic zinc-rich coating that provides corrosion protection as a cost-effective alternative to hot-dip galvanizing. Used in modular construction as a quicker, durable alternative to galvanizing steel.

Zinc Clad® R Plus ●

This is a two-pack zinc-rich epoxy primer designed for high-performance protection. It offers low consumption while delivering excellent corrosion protection and strong mechanical resistance. The coating also features fast drying and curing characteristics, improving application efficiency.

Acrolon® 7700 ●●

A high solids, durable polyurethane topcoat for structural steel with excellent colour retention. Helps protect structural steel from potential weathering and corrosion while maintaining a clean finish.

- Battery Storage

● Cooling Towers
- Electrical Rooms (Power Supply/Power Rooms)

● Loading/Unloading Docks
- Mechanical Rooms (Cooling/Chiller Rooms/Pump Rooms)

FLOORING PRODUCTS

Resutile™ SDS ●●

An electrostatic dissipative urethane topcoat that helps control electrostatic discharge while providing a durable, chemical-resistant finish. In server halls, ESD control is critical to protecting sensitive electronics.

Resutile™ HTS ●●●

A low-odour, heavy-duty satin urethane built for durability and chemical resistance in high-traffic technical environments like battery storage facilities and mechanical rooms.

Resuflor™ NL ●

Two component ultra-high solids epoxy novolac floor coating that provides high chemical and temperature resistance. It can be used as a topcoat over a variety of Resuflor and FasTop systems.

Resuflor™ WB ●●●

Two component water based coating available with a gloss finish. Can be used on 7 day old concrete or concrete floors with no DPM. Low odour, water-based and solvent-free, this product offers ease of application.

FasTop® Multi SL45 ●●

A polyurethane cement self-levelling resin floor screed designed to provide very heavy-duty usage with resistance to abrasion and chemical attack in aggressive industrial environments.

Resuflor™ HB ●●

A two-pack high-performance floor coating based on high solids epoxy resin technology which is designed to provide tough and durable floor coating in a variety of thicknesses for a wide range of applications. The coating will provide a gloss finish to which anti-slip aggregate can be added if required.

Resuflor™ Screed ●●

A heavy duty, epoxy resin floor screed, with high chemical resistance and strong colour definition. The formulation uses an aggregate component free of crystalline silica promoting a more environmentally friendly product with less dust compared to traditional epoxy resin screeds.

FLOORING SYSTEMS

Resuflor™ Topcoat ●●●

A smooth epoxy resin coating system applied by squeegee and roller. The system provides a durable, seamless and hygienic floor finish. A gloss finish with low odour, suitable for data centre campuses where a hard wearing floor coating is required.

Resuflor™ Topcoat SR2 ●

A medium textured, slip resistant epoxy resin coating system. Applied by squeegee and roller the system produces a durable, seamless and hygienic floor finish. A gloss finish with low odour, suitable for data centre campuses where a hard wearing floor coating is required.

Resuflor™ Topcoat HTS ●

An epoxy resin based coating system with a light textured urethane topcoat. The system provides a highly durable satin finish with high chemical resistance and UV stability.

Resuflor™ NL Topcoat ●

A highly chemical resistant resin flooring system with a smooth finish. Applied by squeegee and roller, the system provides a durable gloss finish perfect for data centres.

Resuflor™ Topcoat SDU ●

A epoxy resin based coating system with a static dissipative urethane topcoat for use in areas requiring ESD performance. The system provides a highly durable satin finish with high chemical resistance and UV stability.

Resuflor™ Topfloor SL SDU ●

A self-smoothing epoxy resin based coating system with a static dissipative urethane topcoat for use in areas requiring ESD performance. The system provides a highly durable satin finish with high chemical resistance and UV stability.

FasTop® SL45 SRA ●●

A polyurethane cement, self levelling, resin floor with an aggregate scatter and seal coat to provide a textured finish with resistance against chemical attack and abrasion.

Resuflor™ Industry SR ●

A heavy duty epoxy screed system for industrial floors that require high compressive strength and slip resistance. A seamless, gloss floor is achieved which withstands heavy traffic and high point loads.



- Power Supply (Electrical Houses/Fuel Tanks)

● Server Halls/Data Halls
- Water/Wastewater Infrastructure

● Exterior
- Modular Construction

● Shop Applied



FEATURED SYSTEMS

WALLS

Resuwall™ ●●●●●

A durable, low maintenance system for interior walls in industrial environments that helps provides a smooth, chemically resistant, cleanable finish to surface. Used in many areas across the campus, like server halls, electrical rooms, and mechanical rooms, where maintaining air quality and surface cleanliness is essential to protecting mission critical equipment.

MISCELLANEOUS METALS

Sher-Loxane® 800 ●●●●●

A versatile coating that extends the service life of steel in harsh environments. It provides long-term corrosion protection for exterior steel exposed to weather, UV, and temperature cycling, as well as for piping and structures in water and wastewater settings. It performs reliably in mechanical rooms, protecting catwalks, handrails, and piping, and resists acid fumes in battery rooms, safeguarding doors, racking, and miscellaneous steel.

Macropoxy® 646 ●●●●●

A fast-cure, easy to clean epoxy with strong corrosion resistance and chemical resistance. Fast cure gets you back in service quickly during maintenance windows.

TANK LININGS

Dura-Plate® UHS ●●●●●

A high-solids epoxy with strong chemical and heat resistance for areas throughout the data centre. Protects steel structures, basins, and containment at the base of cooling towers. In areas like cooling towers, it helps protect steel structures, basins, and containment from the constant moisture and chemically treated water that eats at unprotected steel. Can also be used as a protective lining for fuel storage and water tanks to resist corrosion and keep fuel quality intact. Provides immersion-grade resistance in this always-wet environment.

SECONDARY CONTAINMENT

ControlTech™ systems ●●●

A range of advanced secondary containment solutions designed to protect assets, people, and the environment from leaks, spills, and chemical exposure. With a range of epoxy and vinyl ester technologies, ControlTech systems provide proven chemical resistance, regulatory compliance support, and long-term durability across demanding industrial, chemical, and energy infrastructure applications.

PIPES

Heat-Flex® AEB ●●●

A thermal insulative coating that prevents burns and prevents moisture build-up on piping and other steel or metal surfaces in areas across the data centre campus. Also guards against corrosion under insulation (CUI) for longer piping and metal panel life.

MODULAR CONSTRUCTION

Fast growing in data centre design and construction, modular construction offers increased speed to build and greater overall project flexibility. We offer a specific range of coatings that prove suitable for modular projects, with increased durability and fast cure times to support modular construction practices.

Acrolon® PUR Color Plus ●●

A two-pack acrylic polyurethane zinc phosphate topcoat with a matt finish, suitable for direct application onto steel and hot-dip galvanized steel. It offers flexibility with a wide range of dry film thicknesses, along with excellent UV and weather resistance and a tough, elastic, non-brittle finish.

Acrolon® EG120 ●●

A low-solvent, two-pack acrylic polyurethane topcoat that can achieve fast touch and through drying when used with an accelerator. It provides high film thickness with excellent adhesion to steel, hot-dip galvanized steel, and aluminium as a single-layer coating, along with outstanding weather resistance and suitability for direct application on these substrates.



SHOP APPLICATION

These coatings offer a combination of key benefits for project construction: enhancing safety by reducing on-site risks, accelerating construction timelines by pre-applying coatings and simplifying project management through more predictable and streamlined processes.

- Battery Storage
- Electrical Rooms (Power Supply/Power Rooms)
- Mechanical Rooms (Cooling/Chiller Rooms/Pump Rooms)
- Cooling Towers
- Loading/Unloading Docks

- Power Supply (Electrical Houses/Fuel Tanks)
- Water/Wastewater Infrastructure
- Modular Construction
- Server Halls/Data Halls
- Exterior
- Shop Applied

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COATING SOLUTIONS

THE SHERWIN-WILLIAMS DIFFERENCE

Sherwin-Williams Protective & Marine delivers world-class industry subject matter expertise, unparalleled technical and specification service, and unmatched regional commercial team support to our customers around the globe. Our broad portfolio of high-performance coatings and systems - including protective liquid and powder, fire protection and resinous flooring - excel at combating corrosion and help customers achieve smarter, time-tested asset protection. We serve a wide array of markets across our rapidly growing international distribution footprint, including Bridge & Highway, Energy, High Value Infrastructure, Manufacturing & Processing, Marine, Rail, Power and Water & Wastewater.

SHERWIN-WILLIAMS®

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