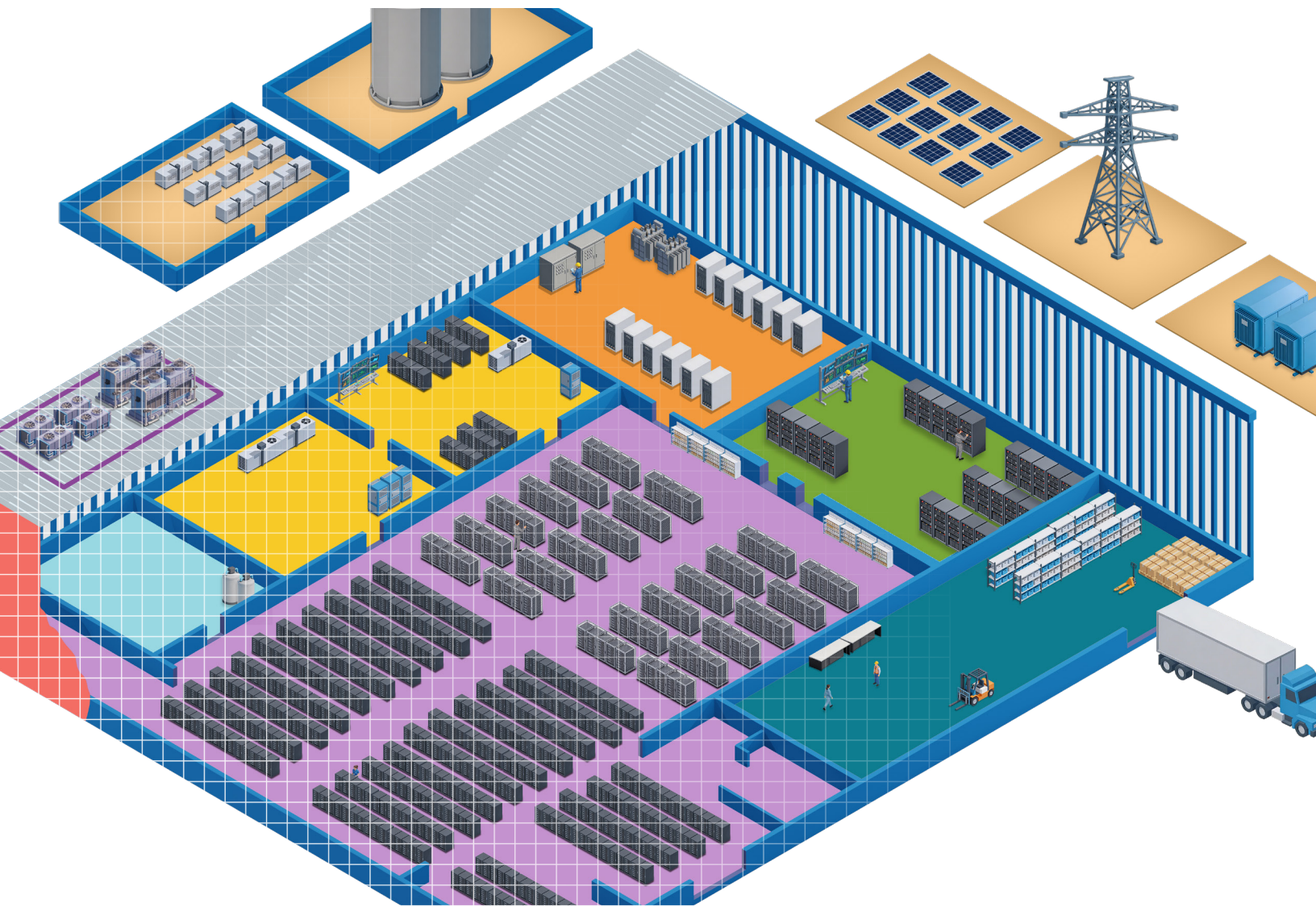


# DATA CENTER FACILITY GUIDE

COATING SOLUTIONS





# HELPING FACILITIES STAND UP TO WORLDWIDE DATA DEMAND

## Protection for Every Area Across the Campus

Data centers 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 center and the raw data it produces.



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

### Built for the Realities of Modern Data Center Construction

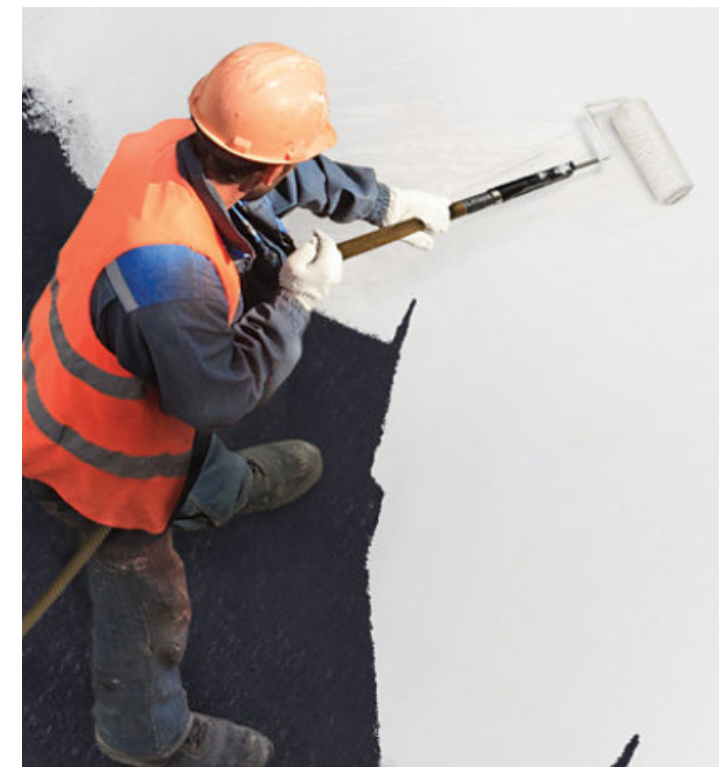
The data center industry is experiencing unprecedented growth. As demand for capacity rises, facilities must be designed and built faster, all without compromising reliability, performance, or long-term uptime.

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.



### 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.

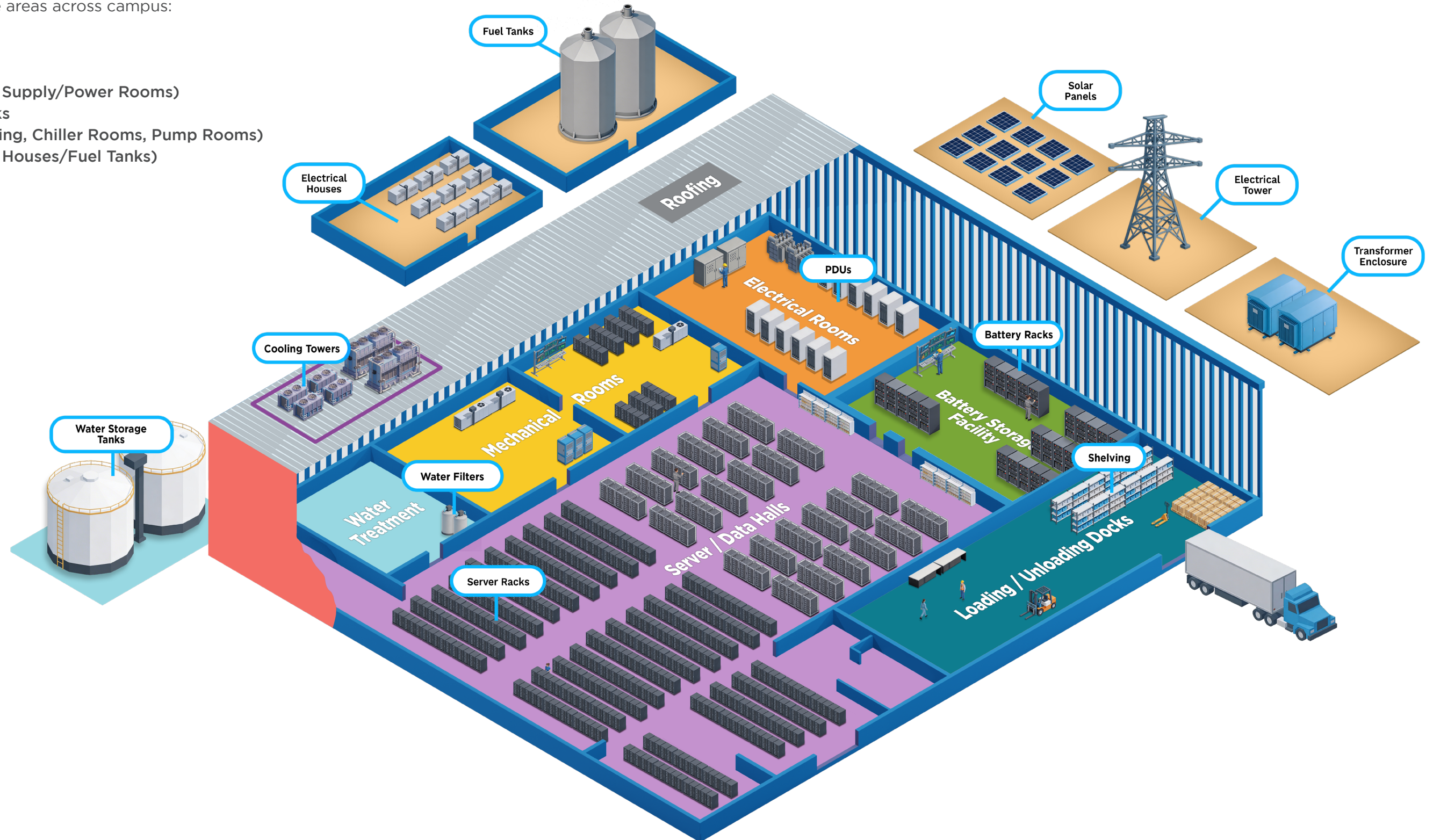
Our single-coat technologies eliminate the need for primers, reducing application steps, labor requirements, and site visits. Shop-applied coating systems further streamline installation by shifting work offsite and improving schedule predictability.

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

# A GUIDED LOOK AT PROTECTION ACROSS THE DATA CENTER CAMPUS

Our coatings are developed to meet specific industry standards for use in data centers, 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)
- Roofing
- Server/Data Halls
- Water Treatment
- Exterior



# AREA DESCRIPTIONS

## Battery Storage ●

This environment is one of the most chemically aggressive environments in the data center. 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 center'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 center. These rooms are also critical to maintaining uninterrupted power to the data center.

## 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 centers. Protection for these energy assets is critical to data center operations and should work to extend the life of these assets.

## Roofing ●

Roofing is the first line of defense for the mission-critical assets in a data center and requires protection that can stand up to unpredictable weather outdoors.

## Server/Data Halls ●

This is the heart of the data center 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 center 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 centers 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 center. 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	Roof	Server/Data	Water	Exterior	Modular	Shop
Acrolon® 680										●	●	
Acrolon® 7700										●	●	
Cemlak® Hydropolish	●			●				●				
Cemlak® Sealer	●			●				●				
Duraplate® UHS 🌐		●		●	●			●				
Envirolastic® 940 LV										●		
Firetex® 🌐								●		●		
Heat-Flex® AEB 🌐				●				●	●			
Loxon® Acrylic Waterproofer									●			
Macropoxy® 2600 🌐			●		●						●	
Macropoxy® 4600 🌐			●		●						●	
Macropoxy® 646 🌐	●			●				●	●	●		
Magnalux® 2100FF			●					●				
Poly-Cote™ 110			●	●							●	
Poly-Crete™ MDB	●			●								
Poly-Crete™ SLB				●								
Pro Industrial™ Acrolon 100 WB Urethane								●				
Pro Industrial™ Acrylic Coating			●	●	●			●				
Pro Industrial™ WB Acrylic Dryfall			●	●	●			●				
Pro Industrial™ WB Catalyzed Epoxy			●	●	●			●				
Pro Industrial™ WB Urethane Alkyd			●	●	●			●				
Resuflor™ 3741	●											
Resuflor™ Gard MR	●		●	●				●				
Resuflor™ Glaze				●								
Resugrip® 500				●							●	
Resutile™ HTS 🌐	●			●								
Resutile™ SDS 🌐								●				
Sher-Loxane® 800 🌐	●			●				●	●	●		
Steel Spec® 4012											●	
Uniflex®							●					
Zinc Clad® 2500 🌐											●	
Zinc Clad® 4100									●			

🌐 = Globally Available Product

## FEATURED SYSTEMS

### STRUCTURAL STEEL

#### Firetex® ● ●

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

#### Steel Spec® 4012 ●

A single-component, weldable alkyd primer/finish for structural steel. Works as a stand-alone coating or universal primer under high-performance topcoats during fabrication. Is also listed with MPI #76 for high performance shop priming applications.

#### 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® 4100 ●

An inorganic zinc-rich primer that provides sacrificial corrosion protection for exterior steel. Even if the coating gets scratched, the zinc actively protects the exposed steel. A go-to base coat for steel facing long-term weather exposure including other miscellaneous metals.

#### Acrolon® 7700 ● ●

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

### WALLS

#### Pro Industrial™ Acrylic Coating ● ● ● ● ●

An acrylic coating for interior walls in industrial environments that helps provides a smooth, durable, cleanable finish to surface. Used in 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.

#### Pro Industrial™ High Performance Waterbased Catalyzed Epoxy ● ● ● ● ●

A durable epoxy coating that helps protect walls from potential moisture, chemicals, and general wear that can impact sensitive environments. This coating is low odor and low VOC, which matters in multiple areas across the data center where air quality directly affects equipment and personnel.

### CEILING (METAL DECKING)

#### Pro Industrial™ Waterborne Acrylic Dryfall ● ● ● ● ●

A spatter-resistant acrylic coating that minimizes cleanup and protects equipment below during application. Ideal for high-ceiling areas throughout the data center. Primarily used for metal decking.

### EXTERIOR

#### Loxon® Acrylic Waterproofoer ●

A waterproofing coating for exterior concrete. Creates a breathable barrier to keep water out while also letting moisture vapor escape, ultimately creating a durable exterior that protects mission-critical assets.

### INSULATED METAL PANELS

#### Pro Industrial™ Acrolon 100 WB Urethane ●

A waterbased urethane topcoat with strong color and gloss retention. Protects insulated metal panel surfaces from UV degradation and general wear.

 = Globally Available Product

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- Water/Wastewater Infrastructure
- Exterior
- Modular Construction
- Shop Applied





## FEATURED SYSTEMS

### MISCELLANEOUS METALS

#### Pro Industrial™ Waterbased Urethane Alkyd ●●●●●

A waterbased coating that provides long-term color retention on metal doors, handrails, and trim that matters in controlled environments.

#### 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

#### Duraplate® UHS 🌐●●●●●

A high-solids epoxy with strong chemical and heat resistance for areas throughout the data center. 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

#### Magnalux® 2100FF ●●

A glass flake reinforced novolac vinyl ester lining built for secondary containment and areas where acidic fumes will degrade other coatings or linings. Built with faster return to service in mind with fewer coats applied meaning less downtime for your data center.

### PIPES

#### Heat-Flex® AEB 🌐●●●●●

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

### ROOFING

#### Uniflex® ●

A fluid-applied roofing restoration system that offers a lightweight alternative to traditional roof replacement. Can be installed on existing roofs without closing the building or disrupting operations, which is critical for 24/7 data centers. Non-toxic formula means no off-gassing concerns for sensitive equipment below.

### FLOORING

#### 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.

#### Resufloor™ Gard MR ●●●●●

A waterproof membrane system meant to help prevent moisture from penetrating through the concrete slab and into the controlled environment where it can damage the servers. In areas like server halls, battery storage rooms, electrical rooms and mechanical rooms, it prevents moisture and acid from reaching the concrete.

#### Cemlak® Hydropolish ●●●●●

A concrete polish that reduces dusting while also saving time and materials all while providing a clean, finished look. Across the data center, it helps keep potential particulate contamination low in sensitive environments.

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## FEATURED SYSTEMS

### FLOORING (CONTINUED)

#### Cemlak® Sealer ●●●●

A concrete sealer that reduces dusting. Across the data center campus, even small amounts of airborne concrete dust can clog filters, settle on hardware, and lead to potential overheating. This sealer helps protect the concrete surface, giving the surface a clean, uniform finish.

#### Resuflor™ 3741 ●

A strong, chemical-resistant epoxy flooring system that creates a seamless, cleanable surface. Seals the floor against potential acid drips and electrolyte spills common in battery environments.

#### Poly-Crete™ MDB ●●

A cementitious urethane system with strong chemical resistance able to deal with both heavy equipment loads (battery racks, forklifts) and chemical exposure. Poly-crete MDB handles both, creating a durable surface that holds up to harsh chemicals and mechanical wear generally present in areas like battery storage rooms and loading docks. The seamless surface makes cleanup much simpler in both environments.

#### Resutile™ HTS 🌐 ●●●

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

#### Poly-Crete™ SLB ●

A textured, self-leveling urethane cement with a seamless, slip-resistant surface. Excellent cleanability and chemical durability for rooms that deal with moisture and maintenance activity.

#### Resuflor™ Glaze ●

A waterproof membrane that keeps water from getting into concrete substrates and causing long-term structural or mold issues for sensitive areas across the data center campus like mechanical rooms.

#### Poly-Cote™ 110 ●●●

A urethane coating that provides corrosion protection and chemical resistance on concrete and steel surfaces. An ideal choice for electrical and mechanical room floors and equipment pads.

#### Resugrip® 500 ●●●

A waterborne epoxy anti-slip coating for traffic lanes and walkways. Provides a textured surface for traction while staying chemical resistant and easy to clean. In areas like loading docks, it helps address potential slip hazards from forklifts, heavy loads, and fluid spills. This is also a great option for use in modular construction projects.

### MODULAR CONSTRUCTION

Fast growing in data center 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.

#### Skids (in contact with soil):

#### Acrolon® 680 ●●●

A high performance direct to metal polyurethane with excellent color and gloss retention. Ideal for modular construction, it provides a durable, cleanable finish on walls, doors, ceilings, and rack supports that withstands transport, installation, and long-term use.

#### Envirolastic® 940 LV ●

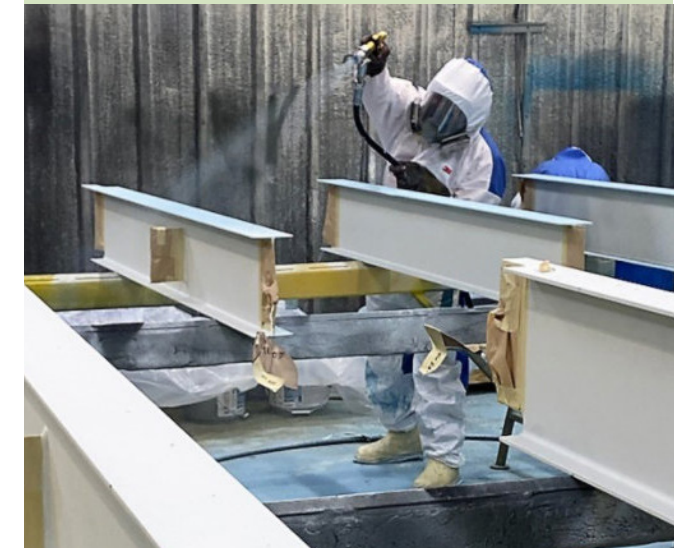
Designed for steel skids in direct contact with soil. Provides durable barrier against moisture and corrosion from the ground.

#### Poly-Cote™ 110/115 ●

Fast setting urethane lining/coating to protect skid bases against corrosion and support steel that comes in contact with soil and potential moisture.

### SHOP APPLICATION

These coatings offer a trifecta of 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.



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## SUPPORT AT EVERY STAGE

Sherwin-Williams provides support throughout planning, construction and maintenance of data center infrastructure. Through a collaborative approach to communication, our team provides complete lifecycle support.

### DESIGN

TECHNOLOGY | PROCESS | MATERIAL SELECTION | PLANNING | SPECIFICATION DEVELOPMENT

#### Design and Specification Assistance for Safer, Faster and Simpler Projects

The beginning stages of a project are daunting. So much careful consideration takes place between the baseline sketch and putting a cohesive construction plan on paper. When it comes to the protective coatings piece, our Design, Engineering and Pre-Construction Services team of Project Development Managers is an essential, proactive partner during the planning stage of your project.

### CONSTRUCT

COST CONTROL | MANUFACTURING | INVENTORY MANAGEMENT | DELIVERY | TECHNICAL SERVICE

#### Product Distribution and Delivery

Get the coatings, equipment and supplies you need — fast. With over 300 commercial/industrial stores and 5,000+ distribution points, Sherwin-Williams ensures just-in-time delivery to minimize downtime and keep your projects moving.

Our onsite Technical Service team helps contractors overcome challenges in application, labor and inspections — so your job gets done right the first time, with fewer delays and touch-ups.

### MAINTAIN

DOCUMENTATION | SITE ASSESSMENT | PRIORITIZATION | SERVICE CONTINUITY

#### Custom Coating Plans for Your Facility Renovations

As your data center evolves, Sherwin-Williams Coating Specialists work closely to offer tailored retrofit solutions backed by site surveys and expert insights to address safety, compliance, sustainability and utility management.

Your personalized maintenance plan is crafted with support from specialists in coatings science, materials and application techniques — ensuring a streamlined, cost-effective approach that meets your operational goals.

## SUSTAINABILITY + COATINGS FOR DATA CENTER CONSTRUCTION



We are committed to supporting data center builds in adopting construction practices that may help to reduce embodied carbon on their projects. Reach out to your Sherwin-Williams sales representative to learn more about coating solutions with EPD (Environmental Product Declarations).

COATING SOLUTIONS

# DATA CENTER FACILITY GUIDE

**MAKE DATA CENTER PROTECTION  
DECISIONS THAT SUPPORT  
UPTIME FROM DAY ONE.**

## **THE SHERWIN-WILLIAMS DIFFERENCE**

The industry experts at Sherwin-Williams Protective & Marine are renowned authorities in their respective fields of knowledge - including Bridge & Highway, Fire Protection, Flooring, Food & Beverage, Freight Rail, Marine, Oil & Gas, Pharmaceutical, Power Generation, Steel Fabrication and Water & Wastewater. Our global technology expertise in areas including tank linings, passive fire protection, corrosion under insulation (CUI) testing and fusion-bonded epoxy drives game-changing innovation and influences global industry standards.

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