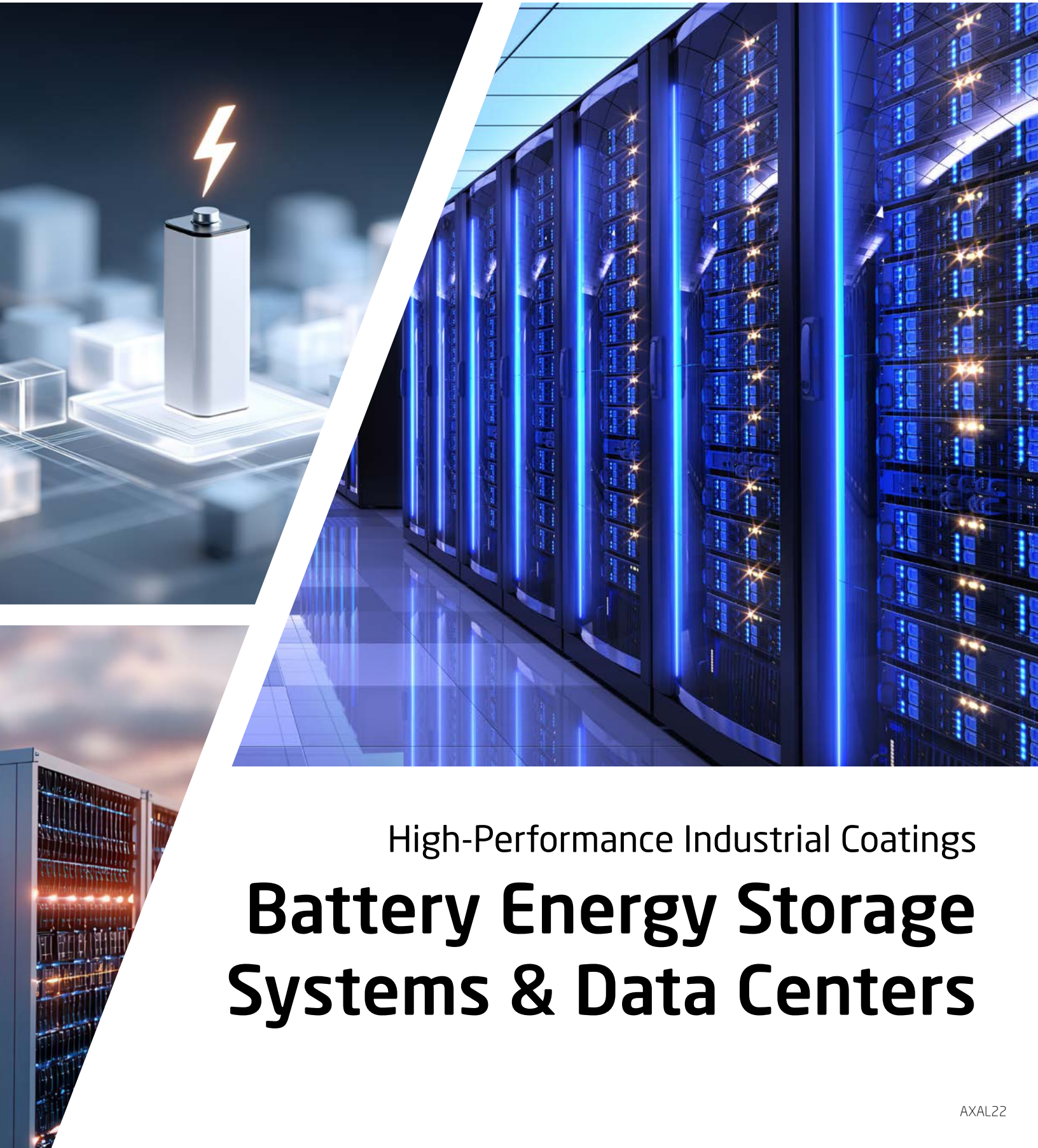




High-Performance Industrial Coatings

Battery Energy Storage Systems & Data Centers

Innovative Coating Technologies for BESS and Data Center Protection

Axalta Coating Systems delivers high performance solutions that enhance the safety, durability, and long-term performance of battery energy storage systems and data centers.

Working closely with leading manufacturers, we develop specialized coatings that protect critical components from corrosion, environmental exposure, and electrical insulation challenges.

Our portfolio of powder, liquid, and electrocoat technologies provides targeted protection across every layer of the system; supporting system reliability, extending service life, and helping reduce maintenance and operational risk.





BATTERY
CONTAINER

Performance Driven Protection for Critical BESS and Data Center Components

Battery Energy Storage Systems (BESS) and data centers operate under demanding thermal, electrical, and environmental conditions, where component reliability is critical to system performance and safety.

Axalta supports mission-critical infrastructure with commercially available, ready-to-ship coating solutions backed by technical expertise and designed for rapid deployment. Our multi-technology portfolio spanning powder, liquid, and E-coat delivers durable exterior performance, precise coverage for complex geometries, and reliable protection for intricate assemblies. This ensures long-term reliability across critical applications, from building envelope and modular structures to servers, enclosures, racking, ESD flooring, and power distribution equipment supporting BESS and data center operations.

Targeted Protection Across Every Layer



**Dielectric
Protection**



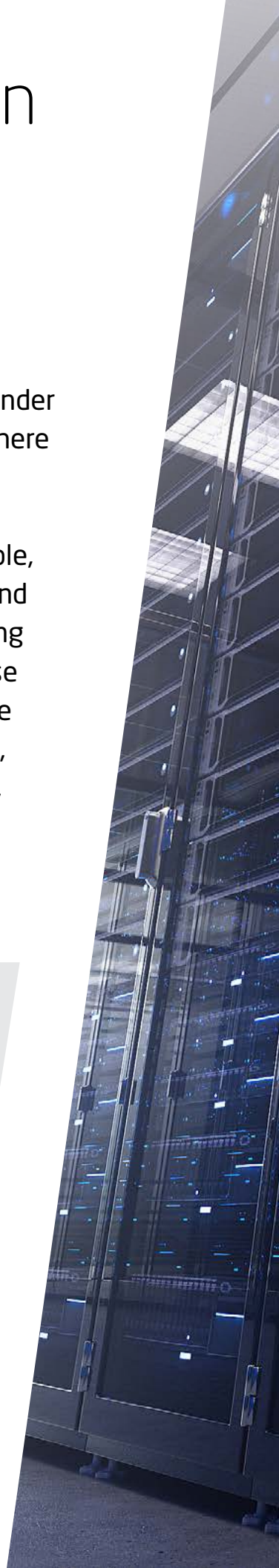
**Fire & Thermal
Resistance**



**Corrosion
Protection**



**Weatherability
Performance**





Designed for real-world BESS and data center applications, these solutions protect critical components including enclosures, inverter housings, structural frames, busbars, and cell module hardware. The result is reliable electrical insulation, enhanced durability, and long-term system integrity in high-stress operating environments, supporting reliable uptime over an extended service life.





Built for BESS & Data Center Environments

Our powder coatings offer long-lasting protection against UV, corrosion and environmental exposure supporting durability, performance and extended service life of:

- Enclosures & Container Systems
- Cabinets & Control Panels
- Structural Components
- Aluminum & Steel Substrates

Powder Coatings for BESS and Data Center Enclosures and Cabinets

Our powder coatings are engineered to protect exterior enclosures and interior cabinets used in battery energy storage systems. Designed for long-term outdoor exposure and demanding environments, these coatings deliver excellent UV stability, corrosion resistance, and lasting aesthetic performance.

Available in single- and dual-layer systems, they provide consistent coverage across a wide range of enclosure designs helping reduce maintenance, preserve appearance, and extend service life.

POWDER	INDOOR - NO UV EXPOSURE		OUTDOOR - UV EXPOSURE	
	SINGLE LAYER	TWO LAYERS	SINGLE LAYER	TWO LAYERS
PRODUCT	Alesta® EP, Epoxy-Polyester Hybrid	Alesta ZeroZinc + Alesta EP, Epoxy-Polyester Hybrid OR E-Coat + Alesta EP, Epoxy-Polyester-Hybrid	Alesta SD Polyester	Alesta ZeroZinc + Alesta SD Polyester OR E-Coat + Alesta SD Polyester
SUBSTRATE	Aluminum, Cold Rolled Steel, Hot Rolled Steel, Galvanized Steel		Aluminum, Cold Rolled Steel, Hot Rolled Steel, Galvanized Steel	
COLOR	Several	Gray + Several Colors Black + Several Colors	Several	Gray + Several Colors Black + Several Colors
GLOSS	10-90		30-90	
SURFACE	Fine Texture & Smooth	Fine Texture & Smooth	Fine Texture & Smooth	Fine Texture & Smooth
CORROSION*	★★★★	★★★★★	★★★	★★★★★
UV PERFORMANCE**	N/A	N/A	★★★★★	★★★★★
BENEFITS	Lower usage 2-3 mils; higher throughput, UL DT 02 certified	Lower maintenance costs and lower usage vs Zn rich primer, UL DT02 certified	Lower usage 2-3 mils; higher throughput, UL DT 02 certified	Lower maintenance costs and lower usage vs Zn rich primer, UL DT02 certified

*Consult with Axalta Representative for pre-treatment

Liquid Coatings for Complex BESS and Data Center Enclosures and Components

Our liquid coatings are engineered for BESS enclosures and components with complex shapes, sharp edges, and mixed material assemblies where consistent coverage is critical. Designed to deliver corrosion resistance, chemical durability, and controlled film build, these coatings provide reliable protection across both interior and exterior applications. They are ideal for structural hardware, inverter housings, and intricate geometries where uniform coverage and edge protection are essential.

LIQUID	INDOOR - NO UV EXPOSURE		OUTDOOR - UV EXPOSURE		
	SINGLE LAYER	TWO LAYERS	SINGLE LAYER	TWO LAYERS	THREE LAYERS
PRODUCT	Corlar 2.1 ST	Corlar 2.1ST/Imron 3.5 HG+	Corlar 2.1 ST*	Ganicin 2.8 ZR-E Epoxy Zinc + Imron 3.5 HG+	Ganicin 2.8 ZR-E + Corlar 2.1 ST + Imron 3.5 HG+ (Imron 2.1 HG+ for lower VOC option)
SUBSTRATE	Aluminum, Cold Rolled Steel, Hot Rolled Steel, Galvanized Steel		Aluminum, Cold Rolled Steel, Hot Rolled Steel, Galvanized Steel	CRS, HRS	CRS, HRS
COLOR	Several	Gray + Several Colors Black + Several Colors	Several	Gray + Several Colors Black/Gray + Several Colors	Gray + Several Colors Black/Gray + Several Colors
GLOSS	10-90		30-90		
SURFACE	Texture	Smooth	Texture	Smooth	Smooth
CORROSION*	★★★	★★★★	★★★	★★★★	★★★★★
UV PERFORMANCE**	N/A	N/A	★★	★★★★	★★★★★
BENEFITS	Lower consumption, lower labor costs. Can be applied at 35 C, sprayable, good chemical resistance 2-3 mils for aluminum and galvanized steel and 4-5 mils for CRS, HRS		Lower consumption, lower labor costs. Can be applied at 35 C, sprayable, good chemical resistance 2-3 mils for aluminum and galvanized steel and 4-5 mils for CRS, HRS	Better corrosion and appearance Additional 1.5-2 mils for Imron	Best corrosion & UV Protects from scratches, dents and moisture ingress due to severe handling and ingress Additional 1.5-2mils for Imron 3.5 HG

*Consult with Axalta Representative for pre-treatment

**Consult with your Axalta Representative



Engineered for BESS & Data Center Infrastructure

Our liquid coatings are engineered to provide uniform coverage, edge protection and long-term durability in demanding environments such as:

- Complex Enclosure Geometries
- Structural Hardware & Brackets
- Inverter Housings & Assemblies
- Mixed-Material Components

Industrial Coatings for Battery Components

1 Dielectric Protection
Module, Cooling Plate, Racking,
Bus Bar

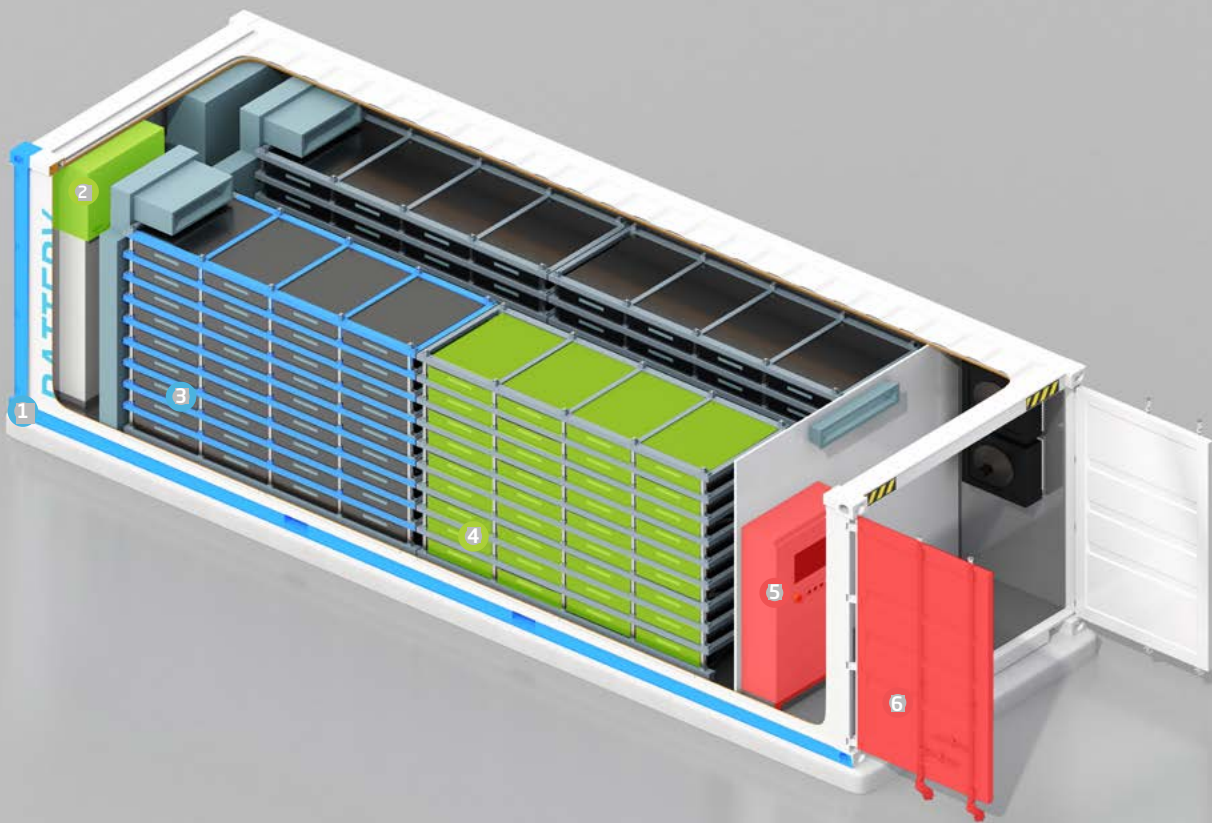
2 Thermal & Fire Protection
Cooling plate, battery top covers
heat exchangers, fire barriers

3 Corrosion Protection
Frame, Racking, Exterior and Interior
Cooling

4 High Thermal Conductivity Coatings
Module, Battery Pack

5 Enclosure & Cabinet Coatings
BMS, PCS, EMI Sheilding

6 Exterior Coatings
Corrosion-resistant with durable
color and gloss retention; high solar
reflection





Our advanced coating solutions are engineered for critical battery components where electrical insulation, thermal management, and durability are essential.

Delivering high dielectric strength, corrosion resistance, and edge protection, these coatings safeguard conductive assemblies such as busbars, cooling plates, structural frames, and side plates operating under high voltage and demanding conditions.

	Dielectric Protection			Corrosion Protection	Thermal Management	Fire Resistance
	Alesta e-PRO Dielectric Gray	Alesta e-PRO Epoxy Battery Gray	Alesta e-PRO Bus Gray	AquaEC	Alesta e-PRO 691142D	Alesta e-PRO FG Black
COLOR	Gray	Gray	Gray	Black	Gray	Black
GLOSS @60°	55-75	80-90	0-5	50-80	50-70	10-20
DIELECTRIC (IEC 60464-2)	98.3kV/mm @70 um	82.6 kV/mm @ 65 um	92.5kV/mm @ 70 um	140kV/mm @ 20-25 um	65 KV/mm @ 70um	27 kV/mm @ 75um - DC test
CORROSION	1,000 hours SST	1,000 hours SST	1,000 hours SST	1,000 hours SST	1,000 hours SST	1000 hours salt spray
SURFACE ENERGY dyne/ cm	46	46	40	52	48	N/A
THERMAL CONDUCTIVITY W/mK	0.31	0.32	0.28	N/A	0.69	0.5
BENEFITS	High physical property, higher coverage per lb, good edge coverage	High CTI, good for less complex structures	High CTI, good edge coverage, higher coverage per lb	Cathodic epoxy electrocoat that offers excellent mechanical properties, superior corrosion resistance and enhanced edge protection	65 KV/mm @ 70um	Can withstand 1200 C torch for min 10 mins without smoking

For more information, please contact us at:

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