

AN AXALTA COATING SYSTEMS BRAND



Electrocoat AquaEC™ 6100 Series

Next generation of electrocoat technology offering improved performance and productivity



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The AquaEC 6100 series from Axalta Coating Systems is a family of cathodic E-coat primers based on enhanced epoxy resins and an innovative tin-free catalyst. The robust technology used in this family of products is designed for many end-use markets ranging from automotive to diverse industrial applications.

Designed specifically to deliver enhanced corrosion resistance, performance, and productivity, the AquaEC 6100 series provides excellent coverage and application properties. Superior performance over various and mixed substrates and pretreatment systems make these E-Coats ideally suited for today's advanced layering systems.

Manufacturers in many sectors are looking for solutions that will improve performance and meet increasingly complex market demands that reflect different substrates, parts designs, and pretreatment options. The technology behind the AquaEC 6100 series is specifically formulated to meet those demands. Excellent mechanical properties, superior corrosion resistance, and enhanced edge protection combine to enable AquaEC 6100 coatings to deliver improved performance.

Productivity returns are another sought after goal for customers. The low-temperature curing properties of the AquaEC 6100 technology help reduce energy costs. Its high throw power provides optimized film

build distribution across all surfaces. AquaEC 6100 is an industry leader in bake loss, resulting in less film shrinkage and increased coverage per gallon of paint. The innovative tin-free technology used to formulate AquaEC 6100 products helps address environmental concerns, and make it Axalta's most advanced E-Coat.

Highlights

- Enhanced corrosion protection
- Improved edge protection
- Improved throw power
- Lower cure temperature
- Reduced bake loss or film shrinkage for increased coverage
- Optimized compatibility with new thin-film pretreatments
- Compliant with global environmental standards
- Color: black, various
- Smoother finish
- Robust operating window
- Tin-free
- Supplied in pre-blend single component or dual component containers
- Available globally

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AquaEC 6100 Series

Film Properties:

AquaEC 6100

Coating thickness (microns)	12 – 40
Edge coverage (rust spots)	< 5
Throw power (FoE)	> 200 mm
Salt spray 1000 hours	1 - 3 mm
Cyclical Corrosion	1 - 2 mm
Recommended Bake:	20 x 360°F
Minimum Bake*	20 x 300°F, 10 x 330°F

Attribute:

AquaEC 6100

Color	Black, Various
Resin/Pigment Feed Ratio:	4 - 10 : 1
Weight Per Gallon (lbs./gal.)	9.26
% Weight Solids	40.42
% Volume Solids	33.53
VOC (lbs./gal) – RACT(NSPS)	0.53

* - See your Axalta representative for more bake options.

Commercial Uses/Approvals:

Automotive Parts and Accessories		Truck & Bus	
Fiat Chrysler	✓	Navistar	✓
Ford Motor Company	✓	PACCAR	✓
General Motors	✓	Agricultural Equipment	
Tesla	✓	John Deere	✓
Honda	✓	Caterpillar	✓
Nissan	✓	CNH Industrial	✓
Toyota	✓	General Industrial	
Hyundai/Kia	✓	Castings	✓
BMW	✓	Office & Patio Furniture	✓
Mercedes Benz	✓	Sports/Recreation/Exercise	✓
Volkswagen	✓	HVAC	✓
Volvo	✓	Food/Water Exposure - NSF International	✓
Military - US Army	✓	Electrical/Safety - UL	✓
Appliances	✓		

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