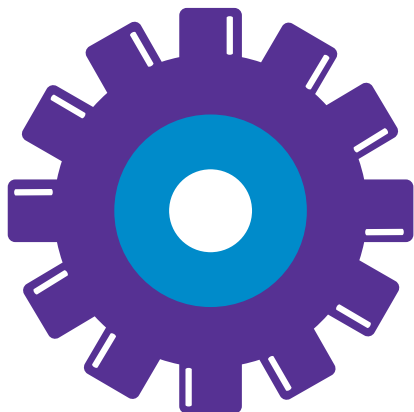
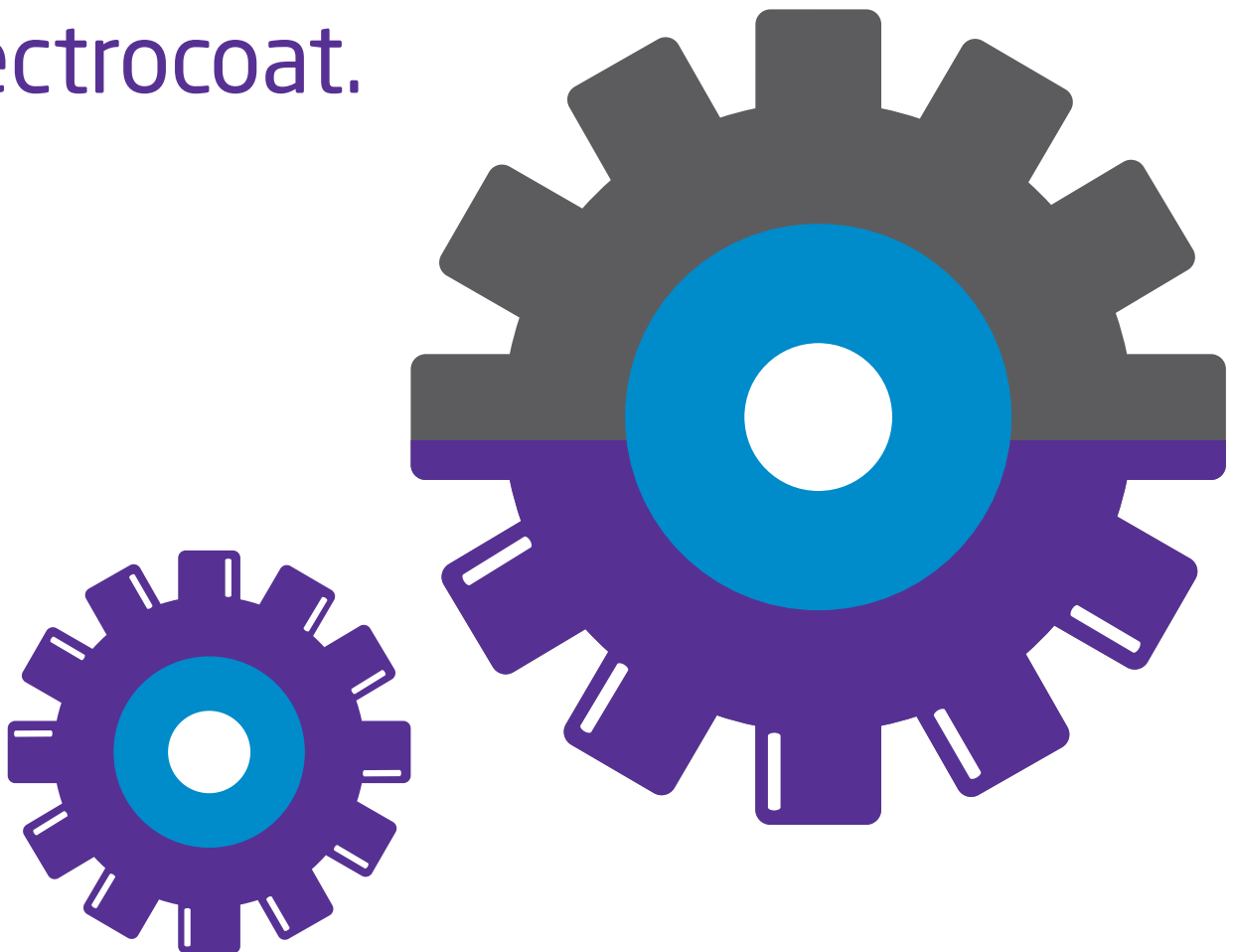
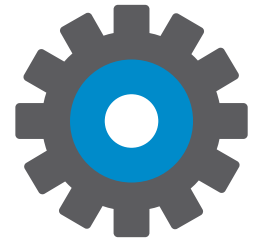




Electrocoat Aqua EC 3000

Universal,
high-
performance
cathodic
electrocoat.





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Universal, high-performance cathodic electrocoat.

Aqua EC 3000 from Axalta Coating Systems is the 2-pack epoxy-based primer of choice for many European manufacturers of automotive parts and automotive accessories, electric housings, switch gear and computer components. It offers excellent mechanical properties, good chemical resistance and superior corrosion protection. Aqua EC 3000 is particularly valuable where corrosion on parts with sharp edges is an issue.

The primer is based on a lead- and tin-free, waterborne formula, which makes it extremely environmentally friendly as well as REACH and HAPS compliant. Another advantage is its great throwing power so difficult-to-reach areas are easy to coat. This characteristic helps with complex part configurations as well as high rack densities.

As Aqua EC 3000 can produce a high film thickness of more than 35µm, it is ideally suited to job coaters while fulfilling all automotive OEM requirements for items such as spare parts and axles.

It can be applied on a variety of substrates and will produce a smooth surface finish thanks to its wide application window and high contamination resistance. Aqua EC 3000 is available in a number of specifications because we know our customers all have different needs.

Fully automated process: Reliable, proven, low energy, reduced maintenance costs.

Cost control: The controlled film thickness results in a high approval rate for first runs, achieving maximum efficiency.

High performance: Resistance to edge corrosion, mechanical properties, chemical resistance.

Ecological: Water soluble, free of lead and tin, very low VOC content.

Adaptable to your specifications:

- Aqua EC 3000: standard version can be cross-linked at 170°C.
- Aqua EC 3000 LT: low temperature version can be cross-linked above 150°C whilst retaining the same properties as the standard version.
- Aqua EC 3000 AS: this version has anti-squeak properties, specially developed for the automotive seat sector. Due to the low friction coefficient, noise caused by the metal and plastic in car seats is eliminated. Aqua EC 3000AS is compliant with most car manufacturers' specifications.
- Aqua EC 3000 UV: an epoxy/acrylic bi-component version that also comes as a single coat to offer improved UV-resistance compared to Aqua EC 3000. Aqua EC 3000 UV is especially designed for specialist automotive supplier segment.

Electrocoat Aqua EC 3000
Universal, high-performance cathodic electrocoat

- Economical paint system
- Superior corrosion protection
- Excellent stone chip resistance
- Extensive range of substrates
- Wide application window
- Improved edge protection
- High film thickness > 35µm
- Good chemical resistance
- High contamination resistance
- Smooth surface
- Great throwing power
- Low curing temperature for Aqua EC 3000LT and AS
- Outstanding anti-squeak properties for Aqua EC 3000AS
- Good UV-resistance for Aqua EC 3000UV
- Environmentally-friendly and REACH compliant
- Compatible with new conversions pre-treatment

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Generic properties				
Mechanical properties	Adhesion test	DIN EN ISO 2409		Gt 0 - 1
Anti-corrosion	Salt spray	DIN EN ISO 9227 SS	500 h	creep: < 1
			700 h	creep: < 1.5 mm
		DIN EN ISO 9227 SS	1000 h	creep: < 1.5 mm
	VDA - cycle test	VDA 621-415	10 cycles	creep: < 2 mm
	VW - cycle test	PVW 1210	30 / 60 cycles	creep: < 2.5 mm
	Volvo VIC test	STD 1027, 1375	12 cycles	creep: < 9 mm