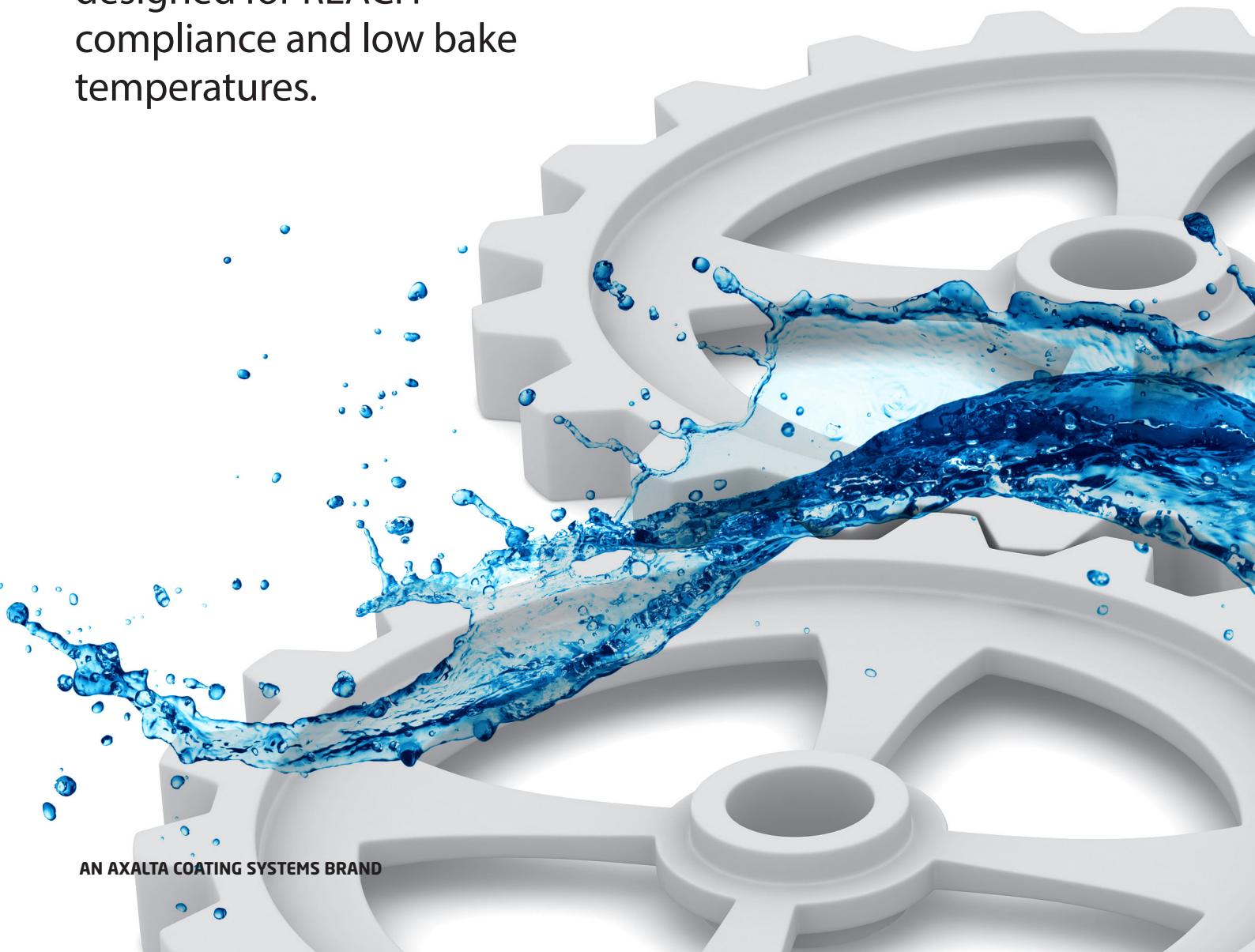




Electrocoat AquaEC™ 3000

A universal, high-performance cathodic electrocoat favored by many automotive manufacturers worldwide.

A patented tin-free catalysis designed for REACH compliance and low bake temperatures.



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AquaEC 3000 from Axalta Coating Systems is a family of two pack epoxy-based primers chosen by many 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. AquaEC 3000 is particularly valuable when corrosion on parts with sharp edges is an issue.

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

AquaEC 3000 can produce a high film thickness of more than 35µm. It is ideally suited to job coaters while fulfilling 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. AquaEC 3000 is available in a number of specifications in order to meet the individual needs of our customer.

Highlights:

- AquaEC 3000 standard version can be cross-linked at 170 °C.
- Low Temperature (LT) version can be cross-linked at 150 °C while retaining the same properties as the standard version.
- Anti-Squeak (AS) 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. AquaEC 3000AS is compliant with most car manufacturers' specifications.

AquaEC 3000

Attribute:

AquaEC 3000 AS

AquaEC 3000

VOC (lbs./gal) – RACT(NSPS)

0,9 - 1,6% (VOC - EU)

0,6 - 1,8% (VOC - EU)

Film Properties:

	AquaEC 3000 AS	AquaEC 3000
Coating Thickness	15 - 19 µm	10 - 35 µm
Hardness	> 200 sec	2H Minimum
Crosshatch Adhesion	GTO-1	GTO - 1
Humidity	500 hrs no changes	500 hrs no changes
Erichsen Cupping Test	≥ 4 mm	≥ 4 mm
Salt Spray 1000 Hours		creep < 1,5 mm
Cycle test VDA		30/60 cycl. < 2.5 mm
Recommended Bake	150 - 190°C	150 - 190°C
Minimum Bake	10 @ 150°C	18 @ 150°C
Volvo VIC Test		10 cycle < 2 mm 12 cycle < 9 mm

Commercial Uses/Approvals:

Automotive		●
Truck & Bus		●
Automotive Parts and Accessories	●	●
Appliances		●
General Industrial		●
Agricultural Equipment		●
Office and Patio Furniture		●
Sports/Recreation/Exercise		●
General Finishing		●
Military		
Decorative		
Castings		●
Electronics		

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