

CathoGuard® 800 Family

OUR PROMISE, YOUR GUARD

>200 Million Cars Coated with CathoGuard® 800





A Guardian's Legacy of Corrosion Protection

Born from decades of expertise, BASF's cathodic electrodeposition has been the guard shielding every surface and interior of any vehicle. It is more than just a coating layer, it represents a robust legacy of automotive protection.



The success of CathoGuard® lies in the passion, engagement and high competency of the team responsible for these technologies. Our customers expect excellence; we provide best-in-class support, delivering prompt, data-driven and sustainable solutions unmatched in the industry. A winning combination which we are proud to provide globally.



Dr. Audrée Andersen,
Director, Global E-Coat Technology





Your Partner of Choice in Automotive Protection

Combining the different pre-treatment technologies with our E-Coat, we set the stage for unrivaled performance. With electrocoat application, a uniform film thickness is applied, translating to excellent corrosion resistance for more than 30 million new cars on the road annually.



#1 Globally Recognized CathoGuard® Technology

Trust in the layer that carries BASF's historic seal of excellence. CathoGuard® is a globally recognized solution that offers superior efficiency and effectively protects vehicles of all shapes and sizes, ensuring long-lasting durability and reliable corrosion protection.



Industry Leading Expertise in E-Coat Performance & Service

By combining material and chemical efficiency with top-notch delivery and service execution, BASF supports automotive OEMs across their paint lines.



Enhanced material efficiency

Up to 20% lower consumption

- Higher throwpower
- Closed loop rinse
- Higher solid content



Reduced process costs

Less workload on inspection line

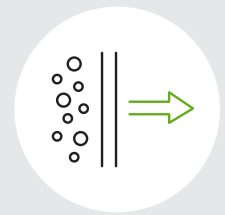
- 30% lower run-outs
- No touch
- Reduced analyte water



Surface Excellence

Outstanding smoothness & appearance

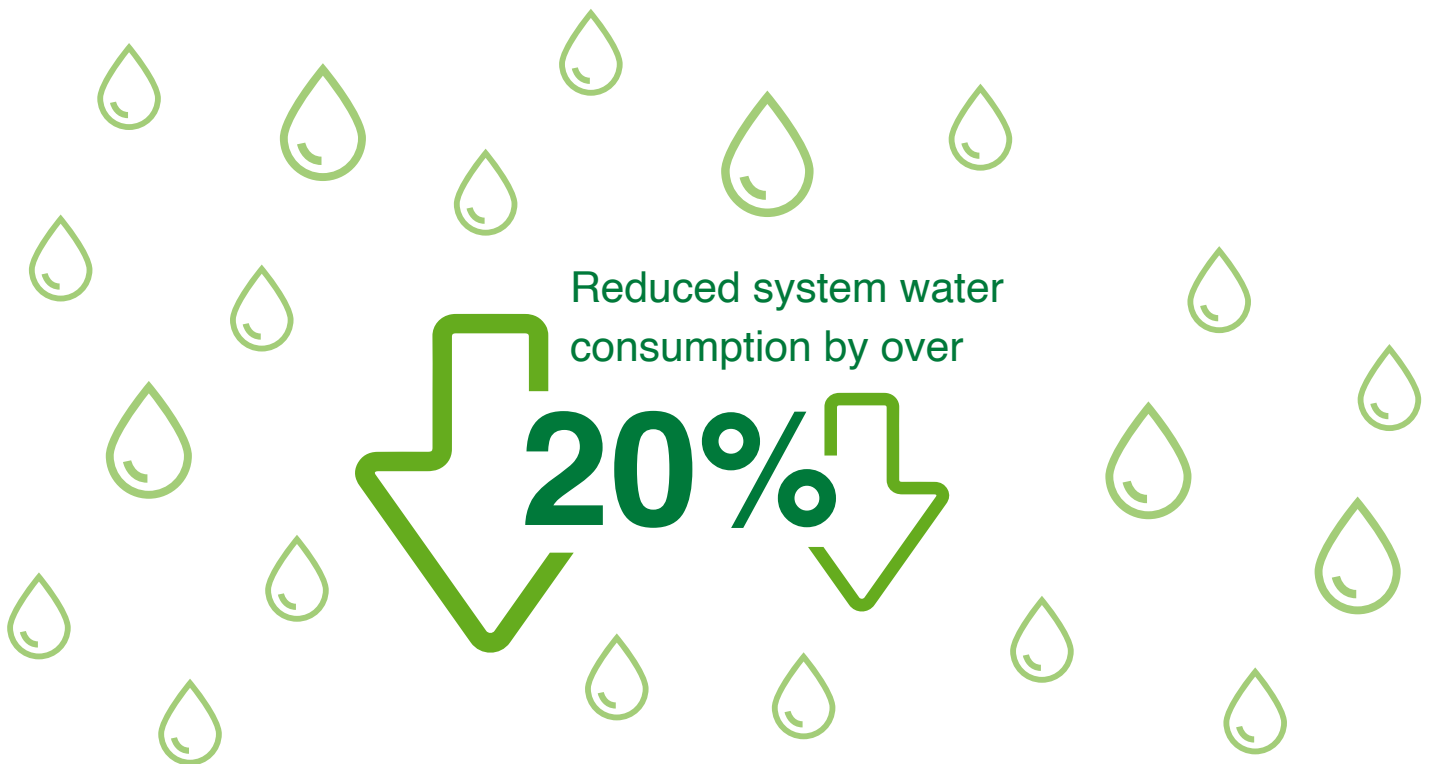
- Multi-metal compatible
- Suitable for all pre-treatment types
- Designed for IP II and 3Wet processes



High Ultrafiltration Performance

20% higher module efficiency

- Longer life cycle
- Higher output



Reduced system water consumption by over

20%

Guarding More with Less

Adopting CathoGuard® permits the usage of closed loop rinse, enabling the reduction of water consumption on the line by at least 20%.

Additionally, the Biomass Balance Approach can be utilized with this portfolio, generating a further 40% CO2 per kg savings.

Innovating for the Future of Automotive Coatings

A new age of automotive OEM has dawned — demanding a new road for success. Together with our partners in the automotive industry, we are dedicated to shape a sustainable future for mobility and actively reduce environmental impact.



Eco-efficient Processes

<1% solvent content
Reduces overall paint layer thickness



Environmentally Impactful

Tin-free and free of hazardous air particles (HAPs-free)

An E-Coat for E-Mobility

The e-mobility revolution is transforming vehicle design. Emerging and divergent NEV vehicle types (FHEV, PHEV, BEV)* have introduced new enhancements to vehicle bodies, such as integrated battery housings within the vehicle skeleton and reinforced bodies or rocker panels.

However, these enhancements often mean that certain areas require different curing temperatures, which in turn has consequences for the e-coat curability. Here BASF offers a one paint solution for all platforms.

With this enhanced product portfolio, the CathoGuard® 800 family now offers various broader curing window capabilities, ensuring optimal performance even in body areas that reach lower temperatures. This innovation is not just a step but a leap forward, enabling seamless integration into the electric-mobility landscape.

*NEV=Neighborhood Electric Vehicle; FHEV=Full Hybrid Electrical Vehicle; PHEV=Plug-in Hybrid Electric Vehicle; BEV=Battery Electric Vehicle



Connect with us



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Want to learn more about the CathoGuard® 800 family?

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