



PPG Showcases Emerging Paint, Coatings Technology Developments for Electric Vehicle Batteries, Autonomous Vehicles at NAIAS

01/15/2018

Expanded automotive coatings portfolio helps enhance battery performance, increases visibility for autonomous driving systems

PITTSBURGH--(BUSINESS WIRE)-- PPG (NYSE: PPG) today announced that it will showcase developments for its expanded portfolio of paints and coatings solutions for battery electric, hybrid electric and autonomous vehicles this month at the 2018 North American International Auto Show (NAIAS) at the Cobo Center in Detroit.

New technologies PPG will highlight at the show include:

- **PPG IOCRON™ cathode binder** – This new cathode battery binder is a cost-effective product that eliminates harmful N-Methylpyrrolidone (NMP) in the standard cathode coating process while maintaining battery performance. The PPG *Iocron* binder will improve formulation and application processes, significantly lower mixing times, and provide equal or improved cell performance.
- **Autonomous vehicle sensor coatings** – PPG is pioneering the development of paints and related coatings that will improve vehicle and infrastructure visibility to radar and light detection and ranging (LIDAR) sensors used in autonomous driving systems. The company has designed coatings with enhanced dark color vehicle detection that allow the light to penetrate to a reflective underlayer. The signal bounces off this layer and returns to the sensor instead of being absorbed. This coating leverages commercially proven technology from PPG's aerospace business that functions in the same light- and heat-reflective way.

PPG also will display its CORE Relation color collection for 2021 vehicle models at NAIAS. The collection comprises four color stories that represent the latest global consumer trends and preferences. (*EDITOR'S NOTE: For more information on PPG's automotive color trends, visit <http://newsroom.ppg.com/autocolor2017>.*)

To learn more, visit newsroom.ppg.com/detroitautoshow18.

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At PPG (NYSE:PPG), we work every day to develop and deliver the paints, coatings and materials that our customers have trusted for more than 130 years. Through dedication and creativity, we solve our customers' biggest challenges, collaborating closely to find the right path forward. With headquarters in Pittsburgh, we operate and innovate in more than 70 countries and reported net sales of \$14.3 billion in 2016. We serve customers in construction, consumer products, industrial and transportation markets and aftermarkets. To learn more, visit www.ppg.com.

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