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PPG Earns R&D 100 Recognition for PPG POWERCRON® 160 Anionic Epoxy Electrocoat

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Next-generation coatings technology is single-source corrosion solution for multi-substrate pipes, castings

PITTSBURGH--(BUSINESS WIRE)-- PPG (NYSE: PPG) today announced that its PPG POWERCRON® 160 anionic epoxy electrocoat (e-coat) technology has earned a 2019 R&D® 100 Award in the Mechanical/Materials category.

“Earning an R&D 100 Award is a pinnacle of achievement in the global research and development community, and we are proud to be recognized for this groundbreaking coatings technology,” said David Bem, PPG vice president, science and technology, and chief technology officer. “We are even prouder of what this development means for our customers – more versatile and effective corrosion protection for their products with less energy use and enhanced environmental compliance.”

PPG *Powercron* 160 anionic epoxy e-coat is a significant technical advance in electrocoat technology because it enables high film builds (greater than 6 mils) over multiple substrates and pretreatment chemistries. Previously, anionic e-coats had to be matched to specific pretreatments and metal substrates, which added complexity, cost and energy use to the coatings process.

PPG *Powercron* 160 coating cures at lower temperatures than conventional anionic e-coats, which further reduces energy use and related carbon emissions. It also has excellent workability and exterior durability.

Originally developed to meet the unique corrosion protection requirements of the pipe industry, *Powercron* 160 e-coat is engineered for manufacturers who finish complex cast profiles in the castings, automotive, heavy-duty equipment and other industries.

The R&D 100 Awards Committee and R&D World magazine honor the 100 most innovative technologies and services of the past year with the R&D 100 Awards. PPG has earned 27 R&D 100 Awards through the years.

In 2018, 32% of PPG’s total sales were from sustainable-advantaged products and processes, such as these award-winning technologies. PPG’s goal is to achieve 40% of sales from products and processes that have improved sustainability over products being replaced by 2025. Additional information is available in the company’s [Sustainability Report](#).

About the R&D 100 Awards

Since 1963, the R&D 100 Awards program has identified revolutionary technologies newly introduced to the market and celebrated the top technology products of the year. Past winners have included sophisticated testing equipment, innovative new materials, chemistry breakthroughs, biomedical products, consumer items and high-energy physics spanning industry, academia and government-sponsored research.

About R&D World Magazine

Since its founding in 1959 as Industrial Research, R&D World magazine (www.rdmag.com) has served research scientists, engineers and technical staff at laboratories around the world, providing timely, informative news and useful technical articles that broaden readers’ knowledge of the research and development industry and improve the quality of their work. R&D World magazine is a publication of the Advantage Business Media Science Group, with sister brands including Laboratory Equipment, Bioscience Technology, Drug Discovery & Development, Laboratory Design, Scientific Computing and Controlled Environments.

PPG: WE PROTECT AND BEAUTIFY THE WORLD™

At PPG (NYSE:PPG), we work every day to develop and deliver the paints, coatings and specialty materials that our customers have trusted for more than 135 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 \$15.4 billion in 2018. We serve customers in construction, consumer products, industrial and transportation markets and aftermarkets. To learn more, visit www.ppg.com.

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