

# PPG Sustainability



PPG continues to enhance and strengthen our sustainable operations and bring life to our purpose and promise: **WE PROTECT AND BEAUTIFY THE WORLD™**.

As our portfolio continues to evolve, we are evaluating our business and striving to achieve even more. In 2018, we launched new sustainability goals that will further guide our company in increasing the use of sustainable business practices.

Existing 2020 Goals	2017 Progress	New Goals
40 percent of sales from sustainable products and processes by 2020.	32 percent	40 percent of sales from products and processes that have improved sustainability over products being replaced by 2025.
10 percent reduction in total waste disposal intensity by 2020 from a 2012 baseline.	15 percent reduction from 2012	25 percent reduction in total waste disposal intensity by 2025 from a 2017 baseline. Achieve zero landfill status from process waste at 35 percent of PPG manufacturing and research and development locations by 2025.
–	–	Reduce energy consumption intensity by 15 percent by 2025 from a 2017 baseline. Increase renewable energy to 25 percent of total electricity usage exclusive of greenhouse gas (GHG) reductions by 2025.
25 percent reduction in GHG emissions intensity by 2020 from a 2012 baseline.	46 percent reduction from 2012	Reduce GHG emissions intensity by 15 percent measured in total tons discharged by 2025 from a 2017 baseline.
On our path to eliminating spills, ensure that we achieve an improvement of at least 10 percent per year in our spills and releases rate.	24 percent increase compared to the 2016 rate and 21 percent reduction from 2012	On our path to eliminating spills, ensure that we achieve at least a 65 percent improvement in our spills and releases rate by 2025 from a 2017 baseline.
Implement water management plans at priority sites.	Three plans implemented in 2017	20 percent reduction in water consumption intensity by 2025 from a 2017 baseline.
Zero injuries. On our path to zero injuries, ensure that we achieve an improvement of at least 5 percent per year in our injury and illness rate.	Rate of 0.29 was 6.5 percent below the 2016 rate	Zero injuries. On our path to zero injuries, ensure that we achieve an improvement of at least 5 percent per year in our injury and illness rate.
Implement wellness programs at 100 percent of PPG facilities globally by 2020.	70 percent of locations with 50 or more employees had a wellness program in 2017	Active wellness programs at 100 percent of PPG facilities globally by 2025.
Invest at least \$10 million by 2025 through the <b>COLORFUL COMMUNITIES™</b> initiative.	\$3.1 million invested through 2017	Invest at least \$10 million by 2025 through the <i>Colorful Communities</i> initiative.

## Recent sustainable innovations



### Reducing waste, lowering emissions

PPG PSX® 800 and PSX 805 coatings for steel and metal surfaces provide single-coat protection over zinc-rich primers, replacing two-layer intermediate epoxy and polyurethane topcoat systems. This can help contractors reduce application costs, minimize waste and lower environmental emissions on the job site. PPG PSX 805 also meets the criteria for GREENGUARD Gold Certification.



### Extending equipment life

Used in heavy-duty equipment, general finishing and transportation applications, PPG SPECTRACRON® ADVANTEDGE™ HPP primer provides extended overall corrosion protection with a formula free of heavy metals.



### Clear, sustainable advantages

PPG ENVIROBASE® EC520 High Performance Clearcoat supports high-volume collision repair centers focused on cutting refinish cycle times while still delivering premium quality finishes. The product dries at temperatures as low as 120° F (49° C) in as little as 20 minutes and only 90 minutes to two hours if air dried, allowing shop owners to save on energy consumption and costs.



### Spray coating helps customers meet environmental mandates

Featuring a one-coat application, PPG DURASTAR® ultra-durable industrial spray coating for aluminum extrusions meets stringent exterior durability requirements. To help manufacturers comply with environmental mandates, the coating is lead free and features low volatile organic compounds and low hazardous air pollutants.



### Clearcoat boosts throughput, saves energy

PPG NEXA AUTOCOLOR® P190-6920 Production Clearcoat is an easy-to-use clearcoat designed for exceptional throughput with a minimal bake time of just 20 minutes. The clearcoat also features an energy-saving lower force-dry temperature of 120° F (49° C), and panels coated with the clearcoat can be reassembled after an air-dry period of 90 minutes to two hours.



### Low-VOC, water-based primer protects against corrosion

PPG AQUACRON® 834 industrial shop primer has volatile organic compounds of only 2.8 pounds (1.3 kilograms) per gallon, helping manufacturers and custom coaters meet stringent environmental regulations while delivering robust protection in corrosive environments. The quick-dry, water-based formula can increase shop production and uses water for reduction and clean-up.



### A paint that improves indoor air quality

SIGMA® Air Pure is a revolutionary bio-based product that protects indoor air quality while it beautifies. The product filters 70 percent of the harmful formaldehydes in indoor air, and uses a high-tech, bio-based acrylic binder that contains renewable, plant-based ingredients that contribute to a safer, healthier environment.