



2009 Corporate Sustainability Report Update

A Message From the Chairman

I am pleased to present the 2009 update to PPG's Corporate Sustainability Report. Last year, we published our first sustainability report, covering activities in 2008. At that time, we announced our intention to produce a full report every two years, issuing an update in intervening years to summarize new data and developments. This is the first of these updates, reflecting new activities and information for 2009. As an update to our inaugural Corporate Sustainability Report, it is designed to be read in conjunction with the original report.

While 2009 clearly posed challenges for our businesses in terms of difficult economic conditions, I believe that PPG's performance was admirable under the circumstances. Of equal importance, however, the economy did not detract from or deter our efforts toward driving the concepts of sustainability throughout everything we do at PPG.

In this update, you'll read about how our business portfolio continues to evolve; how we managed through the recent recession; new environmentally-beneficial products we introduced in 2009; our progress toward our environmental, health and safety goals; new philanthropic initiatives; awards and recognition we've received, and more.



As I said in my first letter, over the course of our more than 125-year history, PPG has grown and thrived by making sound business decisions, and we are no stranger to the concepts of sustainable business practices. Moreover, we hope that the issuance of these reports and updates encourages our stakeholders to engage in a dialogue with our company that results in improved performance and greater mutual understanding.

A handwritten signature in black ink, appearing to read 'C. Bunch'.

Charles E. Bunch

Chairman and Chief Executive Officer

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Corporate Governance

Effective Oct. 15, 2009, Robert J. Dellinger succeeded William H. Hernandez as PPG's senior vice president, finance, and chief financial officer (CFO), in conjunction with Hernandez's planned retirement from the company. Dellinger currently serves as a member of PPG's Executive Committee. Dellinger joined PPG in September 2009 as senior vice president, finance, and CFO designate.



Dellinger began his career with General Electric Co., and during his 19-year tenure there progressed through various positions in financial management. In 2002, Dellinger left GE to become executive vice president and CFO for Sprint Corp., and in 2005, he became executive vice president and CFO for Delphi Corp. A native of Cleveland, Ohio, USA, Dellinger earned a bachelor's degree in economics from Ohio Wesleyan University.

Other changes to PPG's Operating Committee during 2009 included the retirement of Kathleen A. McGuire as vice president, purchasing and distribution.



Company Profile

PPG Industries' vision is to continue to be the world's leading coatings and specialty products company. Founded in 1883, the company serves customers in industrial, transportation, consumer products, and construction markets and aftermarkets. With headquarters in Pittsburgh, Pa., USA, PPG operates in more than 60 countries around the globe.

PERFORMANCE COATINGS

AEROSPACE. Leading supplier of transparencies, sealants, coatings and surface solutions, packaging, and chemical management services, serving original equipment manufacturers and maintenance providers for the commercial, military, regional jet and general aviation industries. Also supplies transparent armor for military markets.

ARCHITECTURAL COATINGS AMERICAS AND ASIA/PACIFIC.

Produces paints, stains and specialty coatings for the commercial, maintenance and residential markets under brands such as *Pittsburgh®*, *PPG*, *Renner®*, *Lucite®*, *Olympic®*, *Taubmans®* and *Ivy®*.

AUTOMOTIVE REFINISH. Produces and markets a full line of coatings products and related services for automotive and commercial transport/fleet repair and refurbishing, light industrial coatings and specialty coatings for signs.

PROTECTIVE AND MARINE COATINGS. Leading supplier of corrosion-resistant, appearance-enhancing coatings for the marine, infrastructure, petrochemical, offshore and power industries. Produces the *Amercoat®*, *Freitag®*, *PPG High Performance Coatings* and *Sigma Coatings®* brands.

INDUSTRIAL COATINGS

AUTOMOTIVE COATINGS. Leading supplier of automotive coatings and services to auto and truck manufacturers. Products include electrocoats, primer surfacers, base coats, clearcoats, bedliner, pretreatment chemicals, adhesives and sealants.

INDUSTRIAL COATINGS. Produces coatings for appliances, agricultural and construction equipment, consumer products, electronics, automotive parts, residential and commercial construction, wood flooring, joinery (windows and doors) and other finished products.

PACKAGING COATINGS. Supplier of coatings, inks, compounds, pretreatment chemicals and lubricants for metal, glass and plastic containers for the beverage, food, general line and specialty packaging industries.

ARCHITECTURAL COATINGS – EMEA

ARCHITECTURAL COATINGS – EMEA (Europe, Middle East and Africa). Supplier of market-leading paint brands for the trade and retail markets such as *Sigma Coatings®*, *Histor®*, *Seigneurie®*, *Ripolin®*, *Johnstone's®*, *Leyland®*, *Dekora®*, *Trilak®*, *Primalex®*, *Prominent Paints®* and *Freitag®*.

OPTICAL AND SPECIALTY MATERIALS

OPTICAL PRODUCTS. Produces optical monomers, including *CR-39®* and *Trivex®* lens materials, photochromic dyes and *Transitions®* photochromic ophthalmic plastic lenses.

SILICAS. Produces amorphous precipitated silicas for tire, battery separator and other end-use applications and *Teslin®* synthetic printing sheet used in applications such as radio frequency identification (RFID) tags and labels, e-passports, driver's licenses and identification cards.

COMMODITY CHEMICALS

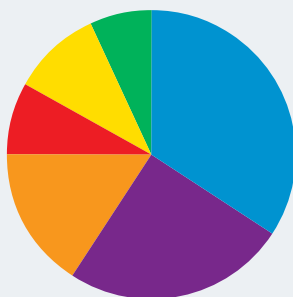
CHLOR-ALKALI AND DERIVATIVES. Producer of chlorine, caustic soda and related chemicals for use in chemical manufacturing, pulp and paper production, water treatment, plastics production, agricultural products, and many other applications.

GLASS

FIBER GLASS. Manufacturer of fiber glass reinforcement materials for thermoset and thermoplastic composite applications, serving markets such as wind energy, energy infrastructure and transportation. Produces fiber glass yarns for electronic printed circuit boards and other specialty applications.

PERFORMANCE GLAZINGS. Produces glass that is fabricated into products primarily for commercial construction and residential markets, as well as the solar energy, appliance, mirror and transportation industries.

2009
Segment
Net Sales



Business Performance

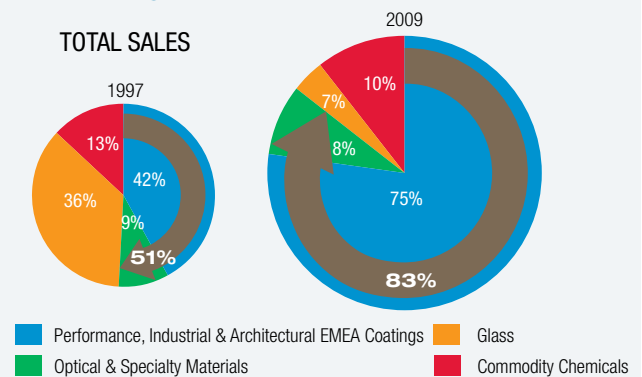
In the last several years, PPG has accelerated its transformation from a North American-centric, chemical, coatings and glass company to the leading global coatings and specialty products company. In 2009, the coatings and optical and specialty materials segments of the company grew to represent 83 percent of the company's portfolio, versus 51 percent in 1997. In addition, in 2009, the United States accounted for about 42 percent of PPG's more than \$12 billion in sales and the Asia/Pacific region grew to comprise 15 percent of the company's sales.

PPG clearly benefitted from this portfolio shift during the recent economic downturn. The company's coatings and optical and specialty materials businesses saw continuously improving positive momentum throughout the year, and by the end of 2009 were delivering higher year-over-year earnings.

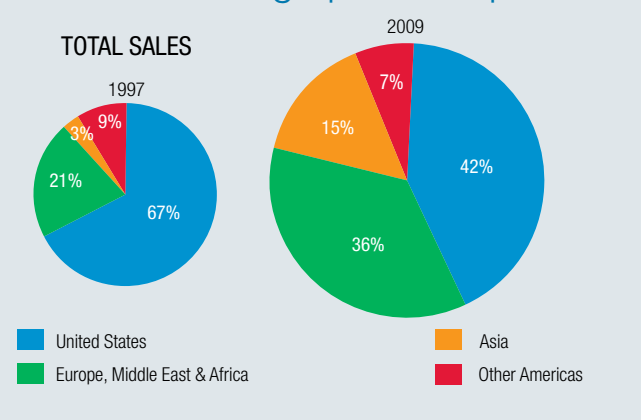
In addition, PPG's performance was aided by several steps taken to reduce costs in quick response to deteriorating economic circumstances. Two restructuring initiatives – one announced in September 2008 and one in March 2009 – are together expected to result in approximately \$250 million in annual cost savings upon completion. These initiatives included the closure of several PPG manufacturing and distribution facilities and the elimination of approximately 3,800 positions. Also, the company implemented interim cost-saving measures, such as reduced travel, temporary reductions in certain compensation and benefits costs, and lower capital spending. As a result of these and other actions, PPG delivered near-

As a major employer, PPG's presence enhances the tax revenue of the nations and communities where it operates. In 2009, PPG paid about \$200 million in taxes globally.

A Stronger, More Focused Portfolio



A Broader Geographic Footprint



record cash flow from operations in 2009 of more than \$1.3 billion and ended the year with a strong cash position of just more than \$1 billion. More importantly, by implementing these steps, PPG is now a leaner, more efficient company that is not only better able to weather difficult circumstances, but is also positioned to succeed in more favorable conditions.

Financial Highlights

NET SALES

(millions of dollars)

05	10,126
06	10,938
07	12,220
08	15,849
09	12,239

DIVIDENDS PER SHARE

(dollars)

05	1.86
06	1.91
07	2.04
08	2.09
09	2.13

For more information on PPG's 2009 financial results, see the company's 2009 Annual Report and Form 10-K available at www.ppg.com.

PPG Segment Income/(Loss)

(\$ millions)	2009	2008
Performance Coatings	\$ 551	\$ 582
Industrial Coatings	159	212
Architectural Coatings – EMEA	128	141
Optical and Specialty Materials	235	244
Commodity Chemicals	152	340
Glass	(39)	70

Note: 2008 Glass figure includes Auto Glass & Services business through 3Q 2008

Products and Innovation

In 2009, 26.4 percent of PPG's sales were from "green" products — products that PPG believes have positive energy or environmental attributes. This is up more than 2 percentage points from the previous year when it was 24 percent. This occurred despite the fact that overall sales decreased more than 22 percent from 2008 to 2009. Also in the year, PPG introduced 65 new products expected to generate global sales of more than \$3.6 billion in their first 60 months. Of these new products, 38 were expressly formulated to promote environmental sustainability by reducing energy consumption, volatile organic compound (VOC) emissions and water use. These "green" products alone are anticipated to generate just under \$3 billion in sales before 2015.

Transportation

Last year, PPG launched an array of products to reduce the energy requirements of the world's boats, cars and airplanes. In the marine shipping industry, the company launched *Sigma Syladvance™* 800 coatings, a self-polishing paint that smoothes the hulls of container vessels as they sail, cutting drag and dramatically reducing fuel consumption, on average saving 3.75 tons of fuel per ship, per day. In the automobile industry, PPG debuted *Agilon™* 400 performance silica for tires and two high-performance waterborne coatings called *Envirobase®* waterborne basecoat and *Selemix®* Aqua coatings that diminish emissions. The tire additive, made from precipitated silica, reduces rolling resistance by 30 percent and improves a vehicle's fuel efficiency by 6 percent. Applied across the U.S. passenger tire market, this increase in fuel efficiency could save up to 8 billion gallons of fuel.



In the aerospace market, PPG introduced two glass products that save energy by cooling airplane interiors and making aircraft lighter and more fuel efficient. They include *Alteos™*, interactive window systems, the industry's first commercial electrochromic cabin windows, and, new cockpit windshields that reflect infrared energy. This cabin window technology eliminates heavy plastic and metal sunshades, while a proprietary acrylic coating reduces the weight of the airplane windshields.

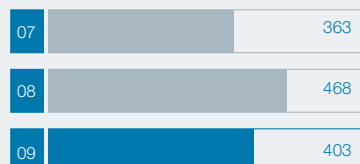
These glass advances joined a new generation of aerospace sealants and coatings systems that also reduce aircraft weight. Two new PPG sealants, one for cockpit windshields and another for fuel tanks and rivets and joints in the fuselage, reduce sealant weight by up to 20 percent. That slashes fuel consumption by more than 100,000 gallons per year in a typical commercial jet.

A new system of colorful aerospace coatings further cuts the load of commercial airliners, reducing airplane weight by up to 200 pounds.



RESEARCH & DEVELOPMENT EXPENDITURES

(millions of dollars)



Clean Energy

PPG's long history with fiber glass and thin-film coatings for glass makes it a prominent player in wind and solar energy development. In 2009, PPG launched a thin-film coating system for wind turbine blades designed to reduce blade weight and drag, and to extend service life by resisting windborne rain and particle erosion.

In the solar arena, PPG launched three high-transmissive *Solarphire®* glass products, including two with proprietary anti-reflective and sodium-barrier coatings to enhance the efficiency of solar energy collection.

Construction

In 2009, PPG continued to build on the strength of its global leadership in low-emissivity (low-e) glass technology, launching *Sungate®* 400 glass, a passive, low-e product that helps homes and buildings in northern climate zones collect more solar heat and reduce fuel consumption for winter heating.

Advances in zero- and low-VOC technology prompted the release of three architectural coatings, including a zero-VOC paint and a waterborne alkyd and a high-solids alkyd wood stain. The conversion of solvent-based chemistry to water-based chemistry has been a significant research initiative across PPG's coatings businesses around the globe.

In addition, an innovative new package design developed in Europe can reduce the introduction of colorant (shipped to paint dispensers) into the waste system by 70 percent. This is achieved using a unique resealable pouch, which boasts a lower carbon footprint than even current recyclable cans and bottles.

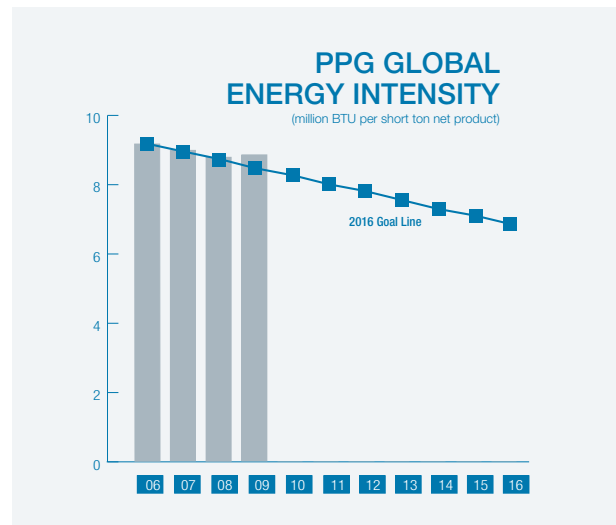
Energy and the Environment

Improving Manufacturing Efficiency

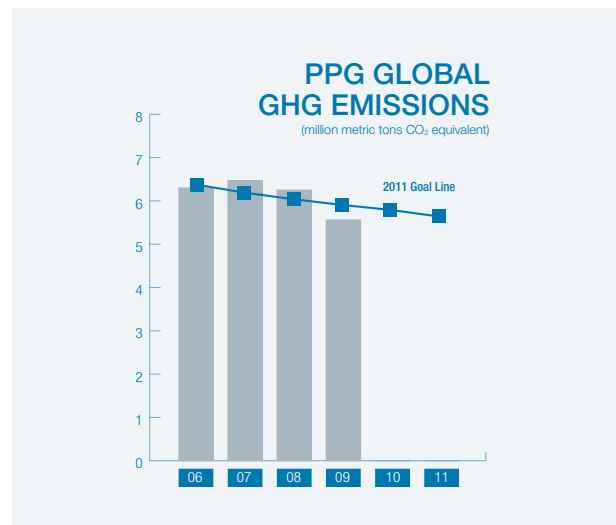
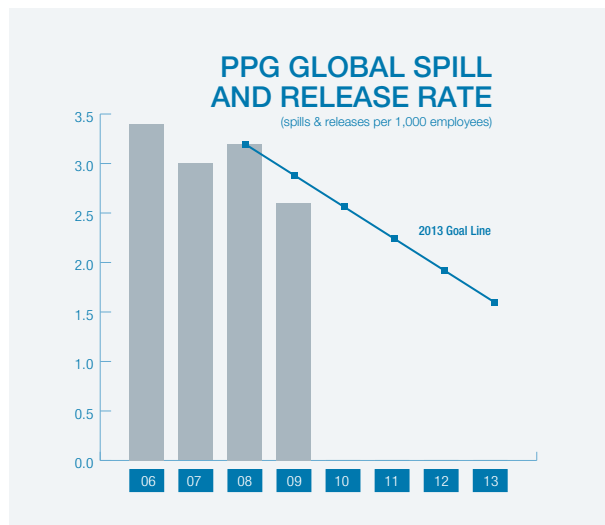
Chlor-Alkali Energy Savings: In 2009, PPG's chlor-alkali and derivatives business initiated a program to improve overall energy intensity. Energy and insulation assessments were performed on all of the business's plants, and more than 350 ideas for energy improvement were generated. More than 50 of these ideas can be implemented for near-zero cost. In addition, major energy improvement projects were initiated at the powerhouses of the business's two largest facilities, Lake Charles, La., USA, and Natrium, W.Va., USA.

Wastewater Treatment: During 2009, PPG designed and installed a wastewater treatment plant at its facility in Santiago, Chile, the design of which was based on a similar facility in Gravatai, Brazil. At PPG's fiber glass joint venture in Zibo, China, the plant launched a project to reuse treated wastewater as cooling water.

Spills and Releases: PPG's measurement standard for spills and releases is designed to go beyond what worldwide reporting obligations require. The current five-year target is a 10 percent reduction from the previous year in spills per 1,000 employees, from 3.2 in 2008 to 1.9 by 2013. In 2009, PPG's spill and release rate of 2.6 was below the target goal. The lower rate reflects PPG's focus on investigating the causes of its spills to ensure proper corrective actions are in place to prevent recurrence.



Energy Intensity and Greenhouse Gases (GHG): PPG continued to work on reducing its energy use and GHG emissions toward achieving goals set in 2007. However, in 2009, PPG did not reach the energy intensity goal it set for the year. Energy intensity is the number of million BTUs per short ton of product manufactured. In the year, PPG's actual of 8.86 million BTUs per net ton of product produced was higher than its goal of 8.61 million BTUs per net ton of product produced. Yet, it should be noted that absolute global energy used by PPG has decreased by 18 percent since 2006. On a more positive note for 2009, PPG generated 5.56 million metric tons of CO₂ versus its 2009 goal of 5.96 million metric tons. This represents a 12.3 percent decrease from 2006. Some of this reduction is due to reduced production.



PPG Joins DOE "Save Energy Now" LEADER Program

PPG has joined the U.S. Department of Energy's "Save Energy Now" LEADER Program, reinforcing the company's voluntary efforts to significantly reduce its industrial energy intensity. The company signed a pledge to reduce its industrial energy intensity by 25 percent over the next decade. Charter members of the program agreed to establish energy use and energy intensity baselines and to develop an energy-management plan.

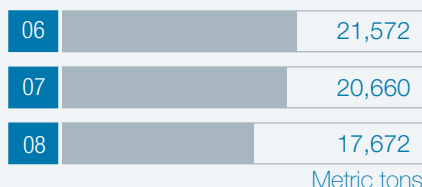
Reducing Environmental Impacts

and Emissions: In 2008, PPG continued to make progress in reducing emissions based on the environmental measures of the Global Reporting Initiative (GRI) Sustainability Reporting Guidelines. In 2008, PPG:

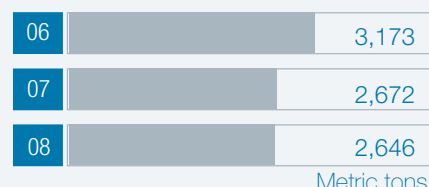
- Reduced nitrogen oxides emissions by more than 14 percent and sulfur dioxide emissions by more than 19 percent (due in large part to reductions in production at the company's Carlisle, Pa., USA, and Wichita Falls, Texas, USA, glass plants, and its Natrium, W.Va., USA, chemicals facility, as well as the divestiture of the automotive glass and services business)
- Reduced the amount of hazardous and industrial waste disposed of by 3.7 percent and 4.1 percent, respectively
- Did not increase its level of volatile organic compound (VOC) emissions
- Experienced an increase of about 6 percent in particulate matter emissions (due primarily to the acquisition of SigmaKalon)
- Experienced an increase in ozone-depleting air emissions of approximately 6 percent

In addition, PPG has added metrics for water consumption and discharges to its reporting protocol. In 2008, PPG decreased water consumption by more than 2 percent versus 2007 and by more than 29 percent versus 2006. In terms of water discharges, PPG reduced discharges in 2008 by 17 percent versus 2007 and by 19 percent versus 2006.

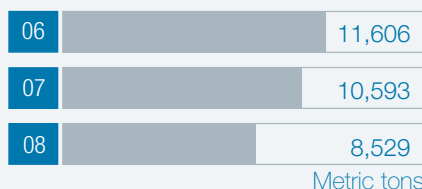
2006 – 2008 AIR EMISSIONS Nitrogen Oxides



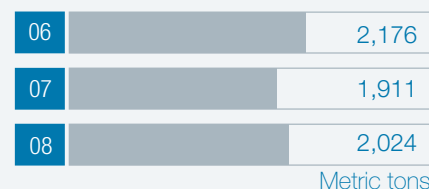
2006 – 2008 AIR EMISSIONS Volatile Organic Compounds



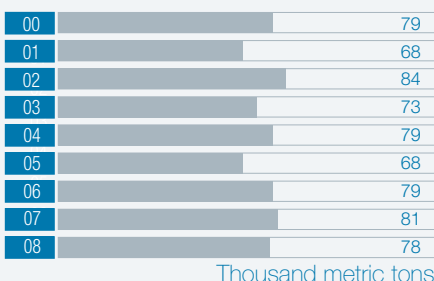
2006 – 2008 AIR EMISSIONS Sulfur Dioxide



2006 – 2008 AIR EMISSIONS Particulate Matter



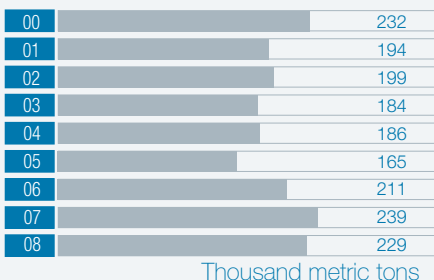
2000 – 2008 HAZARDOUS WASTE



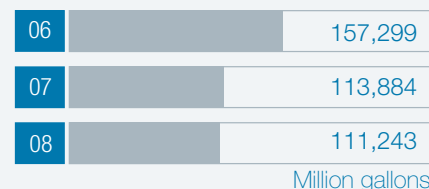
2006 – 2008 AIR EMISSIONS Ozone Depleting Chemicals



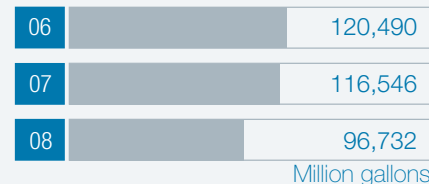
2000 – 2008 INDUSTRIAL WASTE



2006 – 2008 WATER CONSUMED



2006 – 2008 WATER DISCHARGED



Performance data represent PPG's global operations. PPG continues to collect and expand its environmental performance metrics. 2009 performance data is currently being assembled and will be reported later this year on the PPG Web site at www.ppg.com.

Employees and the Workplace

Promoting Safety and Health

PPG has continued to drive improvements in its safety and health performance by using *Sigma Logic*® methodology to establish aggressive goals and implement stringent daily processes. From 1999 to 2009, PPG has reduced its injury and illness rate by 72 percent. PPG estimates that, based on improvements from the 1999 baseline, its risk-reduction efforts have prevented more than 2,000 PPG injury and illness cases. In light of the recent success, PPG has established new goals for the 2009-2013 period that expand on its previous plan.

Unfortunately, the company experienced one fatality in 2009. A technical services employee in the company's protective and marine coatings business died when a scaffold upon which he was standing in a shipyard in India collapsed into the water.

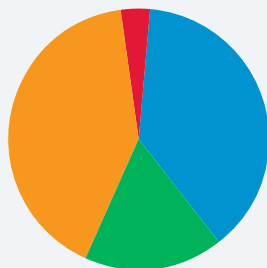
Ergonomics

Through the application of good ergonomic principles, PPG has reduced the number of ergonomically-related injuries and illnesses by 78 percent from 0.47 cases per 100 workers in 2002 to only 0.12 cases in 2009.

The aerospace business's adhesives and sealants team in Australia won PPG's 2009 Ergo Cup by developing a custom air-driven, foot-pedal-operated sealant gun that fills premixed sealant in caps that are used as fasteners and rivets in aircraft fuel tanks and inside aircraft wings and spars. Prior to the development of this gun, caps were filled manually by an operator squeezing a handheld sealant gun for five continuous minutes per tray. The new tool has the additional benefit of increased speed of filling, from 90 trays to 300 trays per day. The team represented PPG at the National Ergo Cup competition held at the Applied Ergonomics Conference in San Antonio, Texas, USA, in March 2010.

PPG WORK FORCE BY REGION

2009 Average



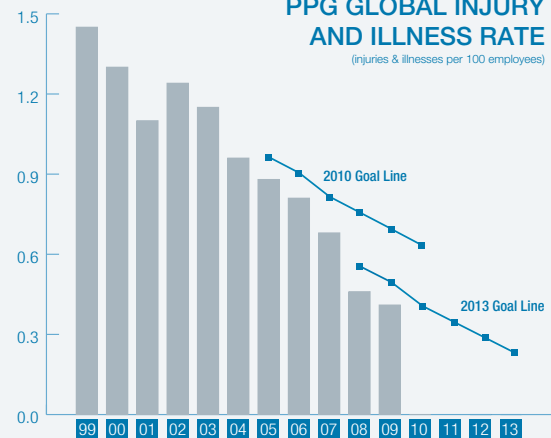
United States, Canada (15,122) Europe, Middle East, Africa (16,430)
Latin America, Mexico (1,414) Asia/Pacific (6,930)

Total: 39,896

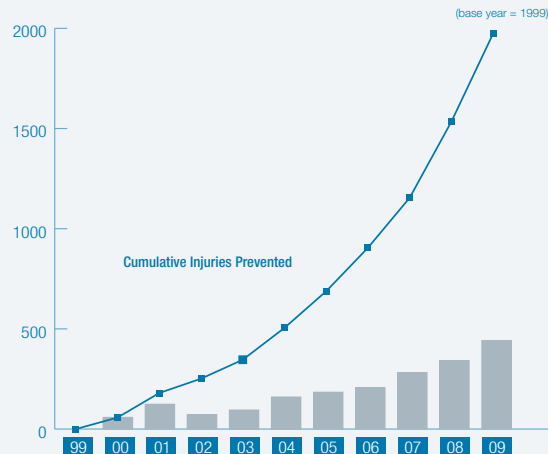
Supporting Employee Wellness

PPG supports the efforts of its employees and their families to improve their health, and the first step is getting good information. The company encourages employees to participate in voluntary, confidential online health risk assessments. By 2009, 30,321 employees – roughly 76 percent of the total global workforce – had completed the assessment at least once.

PPG GLOBAL INJURY AND ILLNESS RATE
(injuries & illnesses per 100 employees)



PPG TOTAL CORPORATE INJURIES AND ILLNESSES PREVENTED
(base year = 1999)



Engaging Employees for Safety

At PPG's Kunshan, China, coatings facility, the plant requests that each staff member conduct work-safety observations and submit them once a month to plant management. The plant then reviews all observations and implements corrective actions. A similar program is being implemented at PPG's Villawood plant in Sydney, Australia, where the plant is focusing on a safety-culture engagement strategy that includes recognition, surveys and coordinated training sessions.

Community Involvement and Social Performance

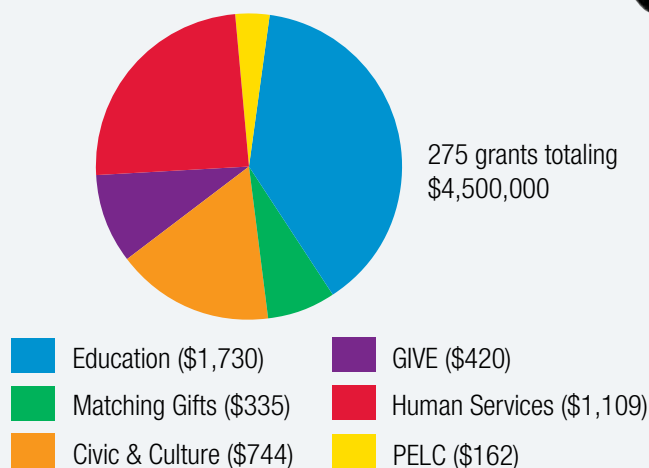
Foundation for the Future

Since 1951, the PPG Industries Foundation has been making a difference in the lives of others with grants supporting outreach programs, relief funds, charitable efforts, educational programs and volunteerism. The foundation focuses on working with organizations that develop educational opportunities accessible to all members of the community.

Through its corporate foundation and a wide range of local giving and volunteer programs, PPG seeks to reflect company interests and values by enhancing the quality of life in global communities where its employees and their families live and work.

PPG Industries Foundation Five-Year Summary of Total Grants Paid	
2009	\$4,500,000
2008	\$5,242,000
2007	\$4,699,000
2006	\$5,284,000
2005	\$5,228,000

2009 Actual Expenditures
(thousands of dollars)



GIVE = Grant Incentives for Volunteerism by PPG Employees and Retirees
PELC = Public Education Leadership Community Grants

Captain Green's Time Machine: The Carnegie Science Center's "Science on the Road" program added the fourth in a series of educational programs supported through the PPG Industries Foundation. Called Captain Green's Time Machine, the van, which runs on biodiesel fuel, visits elementary and middle schools in Pennsylvania, Ohio, West Virginia, Maryland and New York, USA, teaching students about energy and the environment. The program curriculum was developed jointly by scientists at the science center and at PPG. PPG's total grant of \$583,000 for the "Science on the Road" series has helped to fund the hiring of additional staff, and to develop multimedia programs that, according to the center, have reached approximately 225,000 students.



New Adventures in Technology: The PPG Industries Foundation pledged \$75,000 to Catalyst Connection to support development of a new program in the Greater Detroit, Mich., USA, area. PPG Adventures in Technology engages high school students in a 10-week hands-on project to design and build a product or re-engineer an existing product, process or system. By teaming with local companies, students learn about the career opportunities available in manufacturing, engineering, information technology, life sciences, finance and marketing.

Help for Haiti: The PPG Industries Foundation has matched PPG employee contributions to the American Red Cross for many disasters, including the Indonesian tsunami in 2004, the Sichuan, China, earthquake in 2008, and the Haitian earthquake in 2010. Through February 2010, PPG employees raised a total of \$31,076 through 374 donations for Haiti relief and development. Several PPG facilities also collected toiletry items to be sent to Haiti through the Brother's Brother Foundation.



PPG Care Libraries in Zitong, China: In September 2009, PPG Industries helped rebuild 50 libraries in schools in earthquake-stricken Zitong County, Sichuan Province. The libraries include more than 150,000

books donated by the foundation and PPG Industries. They also include more than 700 books and furniture and paint donated by PPG employees. The total donation is worth about RMB 4 million.



“ZebraFest”: PPG’s architectural coatings – EMEA business provided paint to support a pedestrian safety initiative in Budapest, Hungary, called “ZebraFest.” The initiative is aimed at stemming a growing number of traffic accidents at pedestrian crossings. PPG sponsored the program, which placed life-sized, colorfully-painted replica zebras at busy pedestrian crossings near schools and hospitals in the Hegyvidék district of Budapest. In addition, *Unitop*® coatings, part of PPG’s *Trilak*® coatings line, were used in painting the pedestrian crossings.

PPG’s European Headquarters “Community Day”:



Local residents and employees at PPG’s European headquarters in Rolle, Switzerland, held the site’s first “PPG Community Day” by spotlighting the company’s support of numerous local charities. In addition to PPG’s 45-member staff, more than 150 local residents, business and community leaders, and children turned out for PPG Community Day. Some of the

non-profit partners highlighted were Foundation Cube de Verre, which helps and supports autistic children; Sésame, a youth center that provides occupational, cultural and sports-related activities to children and teenagers; Ecole de Musique de Rolle et Environs, which is managed by volunteers and teaches music to about 140 students; and Foundation Ida, which is devoted to helping children suffering from cancer and providing activities for hospitalized children.

Flood-Relief Efforts in Eastern Europe: After many homes and buildings were damaged by rains and flooding in the Czech Republic and Slovakia during fall 2009, PPG’s architectural coatings – EMEA business donated more than 22,000 liters of *Primalux*® paint to assist in local villages’ flood-relief efforts. PPG provided the paint to local crisis-response centers, which distributed it to needy homeowners across the region. PPG’s architectural coatings business there made similar product donations following devastating floods in 2002.

Employees Help Rebuild

Italian School: PPG employees in Italy donated 20,230 euros to help rebuild a school in L’Aquila, Abruzzo, Italy. On April 6, 2009, Italy encountered its worst seismic disaster in more than 30 years, which caused extensive damage to a school for more than 400 students. Donations came from PPG employees at Caivano, Casaleto, Felizzano, Milan, Parma and Quattordio, Italy.



Milford, Ohio, Employees Participate

in Day of Caring Project: A team of 18 employees from PPG’s Milford, Ohio, USA, packaging coatings plant devoted their recent “Day of Caring” volunteer efforts to help an 82-year-old woman with some long overdue interior painting and cleaning a yard overflowing with leaves and debris. The Milford employees converged on the woman’s property equipped with paint brushes, *PPG Porter*® paint, ladders and yard tools. The Day of Caring project was part of the Milford plant’s 2009 United Way campaign.



Milan, Italy, Plant Helps Feed the Needy: In 2009, more than 3,500 meals were donated by PPG’s Milan automotive refinish coatings plant to organizations that help feed disadvantaged people. Leftover food from the Milan plant’s cafeteria is sent at the end of each day to *Siticoibo*, an organization that distributes surplus food from school and business cafeterias to soup kitchens in Milan.



Awards and Recognition

China Enterprise News and the Employer Department of China Enterprise Confederation recognized PPG in their 2008 Excellent Cases of Multinational Corporations Fulfilling Social Responsibility report as one of the top 20 companies for efforts in recognizing the concerns and needs of society.

The **Michigan Department of Environmental Quality's Green Chemistry Roundtable** recognized PPG with a Michigan Green Chemistry Governor's Award for *Green Logic*® paint detackifier. The liquid, chitosan-containing paint denaturant technology provides a more environmentally-responsible alternative to traditional melamine-formaldehyde or acrylic acid-based chemistries.

PPG Industries was again recognized as a leader for its carbon disclosure transparency and emissions management by the **Carbon Disclosure Project (CDP)**. PPG ranked second in the materials sector, and third among materials companies for the CDP's pilot "performance-based" metrics, which measure a company's plans and actions to reduce greenhouse gas emissions.

R&D Magazine awarded PPG an R&D 100 Award for its *Durana*® powder coatings. *Durana* powder coatings are economically produced in small batches of custom colors tailored precisely to individual customers' specifications.

The new process can also make aluminum coatings "greener" by significantly reducing the material waste and amount of energy used in their manufacture.

CESVI Brazil, the leading automotive safety and refinish coatings research organization in Latin America, gave



Solarphire® PV (photovoltaic) and *Solarphire* AR (anti-reflective) glasses by PPG Industries were recognized as "Solar Products of the Year" by readers of *USGlass* magazine. Above, Senior Research Engineer Michael Buchanan conducts accelerated weather testing of *Solarphire* glass.



PPG its prestigious "Five Star Technology" certification for *Envirobase*® High-Performance automotive refinish coatings. The certification recognized the environmentally-responsible waterborne coating not only for meeting regulations regarding volatile organic compounds (VOC), but also for helping to improve the efficiency and productivity of auto body repair shops in Latin America.

TOURAINE PROPRES (Clean Touraine), a French professional organization focused on the minimization and recycling of waste, has recognized PPG for its innovative CONTRAT VERT (Green Contract) that helps professional painters recycle their paint waste by recovering it in service centers.

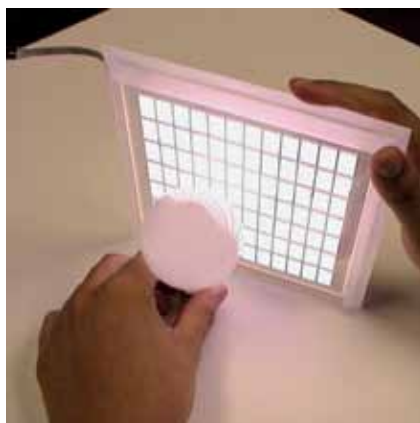
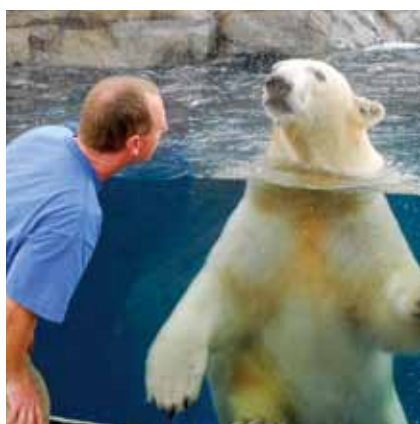


PPG received a \$741,000 grant from the **U.S. Department of Energy** to support the development of materials and automation processes for wind turbine blade manufacturing. In partnership with MAG Industrial Automation Systems, PPG aims to optimize materials technologies and develop fiber glass placement techniques to improve wind blade reliability while reducing the cost of wind blade production. Left, wind blades in storage are awaiting shipment to their respective wind farms. Blades made with PPG fiber glass can be more than 200 feet long.



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