



DuPont Surfaces
CORIAN®, ZODIAQ®
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Corian® and Sustainable Growth: *The Environmental Case for Corian® Solid Surfaces*

DuPont™ Corian® solid surfaces come in more than 100 colors – but ultimately, all the colors of Corian® can be considered “green” and are striving to be even greener. That’s because DuPont Corian® shares and supports the DuPont corporate environmental philosophy: *to conduct our business with respect and care for the environment*. As a leader in pursuing the mission of sustainable growth through nuts-and-bolts business practices, we are committed to creating shareholder and societal value while reducing our environmental footprint throughout the value chain.

What makes a product or company “green?” There are as many answers to this question as there are people asking it. Traditionally, a “green” product has been categorized as one that saves energy, reduces pollution or is made from recycled materials. But in recent years, companies and environmentalists alike are taking a more holistic view – questioning the sustainability of a product and the company that makes it. This broader view takes into consideration not only the physical attributes or recycled content of a product, but also its larger lifecycle impact on the environment, society and the economy.

At DuPont, we’re proud to be on the journey of sustainable growth and are committed to continuous improvement in further reducing our impact on the environment.

Our Company – *DuPont’s Commitment to Sustainable Growth*

As our company celebrates its 200th anniversary, we hold as fundamental a culture that embraces: core values of safety, health and environmental excellence; the highest standards of ethics and integrity in the conduct of our business; and the fair and respectful treatment of all people.

With a focus on continuously improving our environmental practices, DuPont has developed a series of initiatives that will help build successful businesses without compromising future generations, including:

- Drive toward a goal of zero waste generation at the source, and zero emissions.
- Conserve energy and resources, including coal, oil, natural gas, water and minerals.
- Reduce waste or recycle materials to minimize the need for treatment or disposal.
- Continue to reduce packaging waste.
- Efficiently manage land to enhance habitats for wildlife.
- Extract, make, use, handle, package, transport and dispose of materials safely and in an environmentally responsible manner, in compliance with local regulations.
- Further improve processes, practices and products to reduce their risk and impact throughout the product life cycle.
- Develop new products and processes to increase margins of safety for humans and the environment.
- Work with suppliers, distributors and customers who share similar environmental goals.

DuPont's Environmental Successes

Greenhouse gas emissions from our global operations are now down 63 percent (on a Kyoto basis) since 1990.

Global emissions of air toxics and carcinogens are now 76 percent and 87 percent, respectively, below our 1987 baseline levels.

Total energy consumption now stands at 101 percent of 1990 levels, essentially offsetting a 35 percent increase in production over this period.

Global hazardous waste generation is 37 percent below our 1990 levels.

2010 Goals

Meet 10 percent of our global energy needs through renewable resources

Achieve 25 percent of revenues from non-depletable resources

Keep total energy use flat

Our Product – *What Makes Corian® “Green”?*

There are few products like Corian®. While we are striving for even less impact on the environment, the true color of Corian® comes through in a number of environmentally friendly ways. The following criteria are some of those important ways Corian® can be evaluated. Corian® is...

Durable and Renewable

- Corian® lasts a long time and can easily be repaired and renewed, thus minimizing the desire or need to replace and dispose of it. It also can be removed, recut and either reinstalled as a new design or reworked into new products.
- Because Corian® is reworkable, it generates up to one-third less waste than stone in the fabrication process.

Chemically Inert & Environmentally Responsible

- Because it doesn't react readily with other chemicals or elements, Corian® has low impact on both indoor and outdoor environments, including ground, vegetation and water resources.
- Corian® meets the most restrictive “food zone” standards for all types of food set by the National Sanitation Foundation under NSF Standard 51, meaning that Corian® has been certified for use in commercial food preparation. The use of Corian® for food contact surfaces also complies with the Federal Food, Drug, and Cosmetic Act and all applicable food additive regulations.
- The non-porous nature of Corian® means it will not support the growth of mold, mildew or bacteria – making Corian® the material of choice for healthcare, food service and “healthy home” building.

Non-toxic

- At room temperature, Corian® is non-toxic, with virtually no “off-gassing” of volatile organic compounds.
- In a fire situation, Corian® is clean-burning and produces an insignificant amount of smoke.
- The joint adhesives and sealants used in Corian® applications have extremely low VOC emissions during the curing process, falling well below standards set by the U.S. Environmental Protection Agency and California's South Coast and Bay Area Air Quality Management Districts.

Our Processes – *Reducing Our Environmental Footprint*

We continue to improve processes in order to minimize the impact of business operations on the environment through:

Responsible choices in raw materials

- Pigments used to manufacture Corian® are FDA-listed and selected from materials free of heavy metals, toxic or carcinogenic ingredients.
- We encourage our suppliers to adopt manufacturing processes that are safe and environmentally responsible.

Responsible choices in manufacturing processes

- Improved processes and technologies are reducing waste generation during the manufacturing process.
- Scrap and off-spec Corian® is being used as raw material for new product applications.
- We're making our processes cleaner too. From 1991 to 2001, we reduced hazardous waste generation by 63 percent and, from 1987 to 2001, we reduced emissions of cleaning solvents by 98 percent.

Responsible choices in packaging

- Our policy on packaging waste is, in order of preference: to minimize use, reuse if possible, recycle where practical or incinerate with energy recovery. Approximately 30 percent of the shipment platforms for Corian® sheet are collected from fabricators and returned for reuse or recycling, and we are working toward achieving a 50 percent return rate.

In 2002, DuPont received a Governor's Award for Pollution Prevention from Governor George Pataki for "outstanding efforts in protecting New York's natural resources." DuPont's Yerkes facility – where most Corian® is produced – implemented a Six Sigma-based program to improve manufacturing processes and reduce the number of defective products. Our efforts resulted in an annual reduction of 867,000 pounds of manufacturing waste that formerly went to a landfill and cost savings of more than \$2 million.

We received a similar award in 1995 for achieving a 98 percent reduction in the amount of methylene chloride (a cleaning solvent) used at our Yerkes facility over a five-year period.

Our Commitment –

As DuPont and Corian® continue on the journey of sustainable growth, we will strive to further reduce our impact on the environment while delivering exceptional aesthetics, performance and service you've come to expect.

- For more information on DuPont's "sustainable growth" initiatives, please visit www.dupont.com.
- For more information on Corian®, please visit www.corian.com.

"Although protecting the environment should be a core value of every business - and for many companies, that's the first place to start - companies will make the biggest contributions to sustainability by doing what they do best: making markets work globally while also protecting the environment. If one is looking for a new definition of corporate social responsibility, sustainable growth is it, and it is directly related to business self-interest."

Charles E. Holliday, DuPont President & CEO
Harvard Business Review

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