

What is Corian®

FREEDOM IN CREATIVITY...
TRUST IN PERFORMANCE



Corian.

What is Corian®

FOR OVER 200 YEARS DUPONT HAS PUSHED THE BOUNDARIES OF INDUSTRY, INVENTING NEW MATERIALS AND TECHNIQUES AND OPENING UP NEW APPLICATIONS AND SOLUTIONS. THIS TRACK RECORD OF SUCCESSFUL INVENTION HAS MADE A MAJOR CONTRIBUTION, BOTH FUNCTIONALLY AND AESTHETICALLY, TO GLOBAL MARKETS, PROJECTS AND END-USER PRODUCTS.

DuPont™ Corian® high tech surface beautifully exemplifies this capability. Created to offer a higher performance alternative to conventional surfacing materials, it is internationally recognized for its value to the world of design and architecture. DuPont™ Corian® is renowned for exceptional versatility, beauty and almost limitless applications for residential, public, healthcare and commercial environments, both indoor and outdoor. From kitchens to lightening, home automation system to touch control surfaces, bathrooms to the skin of the buildings and furnishing and fashion accessories: the “alchemy” of DuPont™ Corian® can be found in an extensive and expanding range of everyday products, systems and designs. DuPont™ Corian® embodies the spirit of endless evolution; build on world class expertise in science, technology and marketing and an enviable heritage of genuine innovation.

Material Inspiration

From Idea to reality, the resource fullness of DuPont™ Corian® is entirely at your creative disposal. Workable to an unrestrained variety of forms and blending into seamless utility, Corian® can answer the challenges of multiple projects and applications. Strong, homogeneous, non-porous and resistant, Corian® is a material as ingenious as the human imagination.

Corian® Quality Network

Corian® Quality Network is a premier program from DuPont. The Quality Network works closely with Architects, Designers and end customers to realize the DuPont Surfaces vision of “To transform design ideas and inspiration into innovative and beautiful reality”. The Quality Network is committed to delivering highest standards of fabrication, installation and servicing to our customers.

Quality Network members are fabricators who are Enrolled, Audited, Certified and Monitored for best quality Fabrication Installations. They are trained on carrying out Fabrication, Installations, Repair and Maintenance in both interior and exterior applications. Quality Network Members are also responsible for executing the 10 year limited Installation warranty in the market.



In the Bathroom

PURE PEACE OF MIND

Sleek, warm and silky to the touch, Corian® is a surface made for contact. Add to that inherent hygiene and the ability to achieve flowing, streamlined shapes and you have an easy-clean material that is perfectly suited to the bathroom. Free from dirt traps, resistant to mildew, even repairable if necessary, Corian® is at home in the most compact of cloakrooms and the most luxurious of spas.

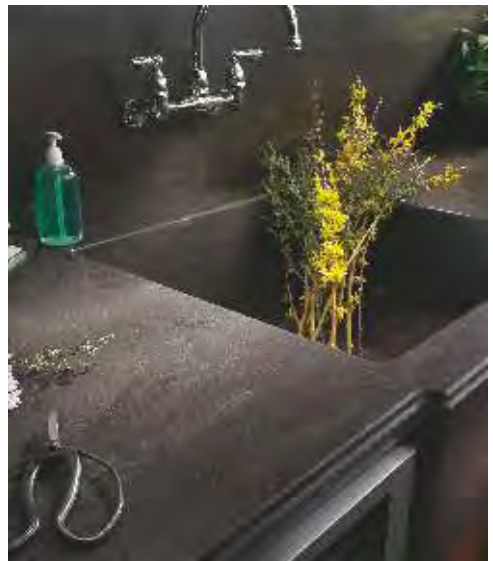
PHC washbasins by Boffi, design Piero Lissoni; photo Sanine Schweigert for DuPont™ Corian®; all rights reserved on design and image.

In the Kitchen

LASTING ELEGANCE

In Corian®, the comforts of beauty are equalled by robust reliability, easy maintenance and endless adaptability. Imagine a smooth transition from worktop to fascia, splashback to sink, food preparation to relaxed enjoyment. From the most minimal of aesthetics to maximal charm, the wide choice of colour, detail and design all come together to enhance the simple pleasures of living well.

Sinks and backsplashes designed for seamless integration, creating the illusion of a single flowing solid surface; made with DuPont™ Corian®



Inside Out

ENDURING BEAUTY

Buildings in need of a facelift need look no further than Corian®. Equally at home on a newly constructed facade as on a kitchen counter top, Corian® can weather exterior conditions while offering either minimalist purity or a range of fascinating design possibilities. Corian® can be curved or carved, inlaid or printed, backlit or embossed. And whether helping to sustain a high-profile skyscraper or protecting a private residence, the advantages of durability, simple maintenance and a resistant yet repairable surface are easy to appreciate.

Fascinating facades created by exploiting the versatility of DuPont™ Corian®; Community of Municipalities of Lacq, Mourenx, France; project by Gilles Bouchez; photo Artur Pequin for DuPont™ Corian®, all rights reserved.



Lighting Solutions

ENABLING BRIGHT IDEAS

The ethereal translucency of DuPont™ Corian® has encouraged a range of dynamic exploration in lighting design. A natural, radiant diffusion of the light in the paler colors has been further enhanced by the invention of a specific set of hues for enchanting illumination effects. Also, by thinning out or cutting patterns into the material and then backlighting the design, whether a shapely lamp, a monolithic installation or a graphic wall feature, brilliant concepts in Corian® can take on luminous new life.

Genotype lamps by Tomek Rygalik; photo Philip Miller, courtesy of Tomek Rygalik; all rights reserved on design and photo.

Furniture and Features

FORM FLOWS INTO FUNCTION

Whether as a working service counter, a stylish display system, a stand-alone piece of furniture or a decorative object of desire, Corian® applies its malleability to meeting whatever need it was created for. Its beauty lies in its strength, however delicate the aesthetic aimed for in its design. Furthermore, Corian® is harmonious with many other materials and offers an exclusive color palette of timeless hues.



Home furnishing solution combining glass with the fascinating translucency of DuPont™ Corian®; photo DuPont™ Corian®, all rights reserved.



*"Z. Island by DuPont™ Corian®"
(2006 Milan week of design), design Zaha Hadid;
photo Leo Torri for DuPont™ Corian®,
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Intelligent Surfaces

TECHNOLOGY FOR TODAY AND TOMORROW

Corian® looks forward to an exciting future, not only through its invaluable longevity (since its ground-breaking invention, many of the earliest installations still perform impressively today) but also in its compatibility with ever evolving technology. From embedding touch-sensitive controls, LED lighting and audiovisual systems to its ability to be renewed and re-used, Corian® is a material with the future very much in mind.



At your Service

CATERING TO EVERY TASTE

Versatile enough to meet the vision of any design scheme, DuPont™ Corian® is also wipe clean and worry free, making it the ideal choice for the food and beverage industry. From preparation to service to maintenance, Corian® caters to vibrant bar and dining environments with smart reliability. Aesthetic effects such as a blending of colors or the application of pattern, integrated illumination, projected images or 3D textures add to the creative possibilities.

Inamo restaurant (London, UK) table tops in DuPont™ Corian®, project by Blacksheep Architecture and Design; photo courtesy of Blacksheep A&D (photographer Francesca Yorke); all rights reserved on design and photo.

Hospitality

FIVE STAR FLEXIBILITY

Sensuous style, streamlined luxury, exotic elegance. Whatever a traveler may expect from their hotel, Corian® can help to create the inviting ambience and pristine identity that distinguishes the experience as something special. Whether creating dramatic curves on a reception desk, sleek surfaces in the bathroom or atmospheric decoration in public areas, Corian® offers a warm and memorable welcome.

Percy Kildwick Golf Club (York, UK) uses DuPont™ Corian® for its worktops; photo Jake Fitzjones for DuPont™ Corian®; all rights reserved on design and photo.



Retail

CUSTOM MADE FOR SHOP FITTING

Distinctive brands demand the same quality of design and performance that their customers expect from the products they offer. The specific needs of the retail sector, from chic presentation, to graceful service to a lasting sense of a wise investment, can all be met by the multiple benefits of Corian®. Beautifully bespoke and receptive to unique detailing, Corian® stands the test of time in sophisticated fashion.

Asian Paints store in New Delhi uses DuPont™ Corian® to create a façade integrating a sophisticated lighting system; photo courtesy of Oystra Concepts Pvt Ltd., all rights reserved.





Transportation

THE PATH FORWARD

Design for the world of transport, whether by rail or air, road or sea (and their stationary terminals) presents unique challenges. From high-traffic wear and tear to high-end exclusivity, from air-pressure to marine climates, from potential passenger abuse to vibration and general movement, the conditions demand a strong, stylish yet flexible material that will function flawlessly for the long haul. The world of transport, from megayacht to motor-home, can benefit beautifully from everything Corian® brings to the journey.

Interiors of Comet 52

by Comar Yachts; project by Studio Vallicelli; photo Comar Yachts, all rights reserved.

Healthcare

HYGIENE AT HEART

Clinicians have long had confidence in Corian® for hygiene-critical situations, and this solid, non-porous, and seam free resistance to cross-infection can also take imaginative and appealing form to enhance a sense of well being. Appropriate and thorough cleaning methods keep Corian® pure and fresh, while its non-toxic composition does not support the growth of germs, fungi or mould. This makes Corian® the sensible solution for healthcare design... from integrated sinks in laboratory work tops to scrub rooms, theatre walls, information centres, nursing stations, children's wards, cafeterias and patient facilities.



Hospital Scrubs Sinks made with DuPont™ Corian®, East Texas Medical Center, photo DuPont™ Corian®, all rights reserved.



Workplace

PRODUCTIVE DESIGN

A material subject to daily use must be not only durable, but also a pleasure to live with. The smooth, seamless workability of DuPont™ Corian® can be employed to valuable and ergonomic use in office or learning environments, whether in a home studio, large commercial operation or educational facility. With a carefully created colour palette on offer, from the ever popular whites to subtly nuanced solids and intriguing textured choices, the ambience can be thoughtfully tailored to any objective or identity.

Zentsuji, Japan, offices of Honda automotive company made with DuPont™ Corian®, photo courtesy of Honda, all rights reserved.

RESISTANT

DuPont™ Corian® is a solid, non-porous, homogeneous surfacing material composed of ± 1/3 acrylic resin (also known as PolyMethyl MethAcrylate or PMMA) and ± 2/3 natural minerals. The main mineral is Aluminium TriHydrate (ATH) derived from bauxite, an ore from which aluminium is produced. Since its introduction in 1967, DuPont™ Corian® has proved itself to be a remarkably durable material that is easy to live with. It cannot delaminate and stands up well to daily use. It resists most of the impacts, nicks and cuts that occur in heavy traffic areas. Corian® has been tested for its mechanical, thermal, electrical and other surface properties. Please consult online at www.corian.com on the Specification datasheet for the results of these specific tests as well as details of the other physical properties of Corian®.

HYGIENIC

DuPont™ Corian® is a non-porous material. It is solid through its entire thickness and can be fabricated with inconspicuous seams, rendering its surface very hygienic. DuPont™ Corian® surfaces do not support the growth of bacteria or fungi. Corian® has been certified by an independent laboratory as a hygienic material according to the international norm DIN EN ISO 846.

NON-TOXIC

DuPont™ Corian® is an inert and non-toxic material. Under normal temperature conditions, it does not emit gases. When burned, it releases mainly Carbon Oxides and the smoke generated is optically light and does not contain toxic halogenated gases. Because of these properties, Corian® is used in public areas and for sensitive applications such as airport check-in counters, walls and work surfaces in hospitals and hotels.

REPAIRABLE

Surfaces in DuPont™ Corian® are renewable, meaning they can be fully restored with ordinary mild abrasive cleansers and a scouring pad. Cigarette burns, for example, can be easily removed in this way. Damage caused by abuse can usually be repaired on site without having to completely replace the material.

SOLID

Colors and textures run through the entire thickness of the material and cannot wear away. DuPont™ Corian® is a solid material and cannot delaminate.

INCONSPICUOUS JOINS

The applications for DuPont™ Corian® are limited only by the imagination. Pieces of Corian® can be glued together inconspicuously to create a seamless look, giving virtually unlimited design possibilities for

surfaces. Long counters, for example, can be made easily in lightweight pieces in a workshop and then joined together at the installation site. Edges can be built up to appear thicker.

THERMOFORMABLE

DuPont™ Corian® can be thermoformed in wooden or metal moulds at controlled temperatures in order to create various 2D and 3D design objects. Embossing effects can also be created using the Bas Relief technique.

TRANSLUCENT

The translucency of DuPont™ Corian® is especially striking in the lighter colors as well as with thinner sheets. Many designers are now using the material to create lamps or lighting effects in various applications. The color family, called the Illumination Series, consists of 5 colors in 6 mm and 12 mm sheets featuring enhanced translucency to be used for creating special lighting effects.

WORKABLE LIKE WOOD

DuPont™ Corian® can be worked like hardwood and using similar tools. Most DuPont™ Corian® fabricators originally trained as carpenters. There is a skilled network of fully trained and approved fabricators for Corian® worldwide, plus dedicated service centers.

COLOURFUL

The refined colors of Corian® allow for a creative and inspired working palette of solid, textured and translucent hues. You can choose a single color; a neutral basis for design; or experiment with eye-catching harmonies. Corian® can also be used as inlays, accents, or as a versatile complement to other materials such as metal, wood, stone, glass, etc. Corian® can also be sublimation printed with any digital image.

ENVIRONMENTALLY FRIENDLY

DuPont™ Corian® is manufactured in compliance with strict standards in order to limit waste and energy consumption at all stages of the production process. DuPont Building Innovations has now achieved Zero Landfill status in the manufacture of its products, including Corian®. Both the material itself and the adhesives and sealants used to install it are GREEN GUARD Indoor AirQuality Certified® as producing low VOC emissions, as well as being Greentag Certified.



Design

FLEXIBLE, MALLEABLE AND WORKABLE

When a fluid imagination meets the malleability of Corian® extraordinary results can materialize. The natural solidity of Corian® and its ability to be shaped, carved, engraved and combined with other materials enables new perspectives. With DuPont™ Corian®, you can engrave intricate designs to exact specifications using CNC machinery. So you can customize your designs with graphics, logos, and imagery in ways you've never seen before. DuPont™ Corian® is a blank canvas yearning to be brought to life.

Traditional Mandir made in DuPont™ Corian® with mother-of-pearl inlay

Public Spaces

AN INVITING WORK ETHIC

Corian® is renowned for its dependable performance, but this work ethic also offers a wealth of artistic potential and appeal. Naturally suited to creating the most welcoming of spaces, it adapts to innovative design ideas with inspiring ease. Corian® not only proposes a sense of trust and authenticity, its advanced composition means that it can withstand the normal stresses and strains of public duty, yet also be restored to full glory in the case of any excessive wear and tear.

Chhatrapati Shivaji International Airport, Terminal 2, Mumbai uses DuPont™ Corian® to clad its columns; photo courtesy of Mumbai International Airport Ltd, all rights reserved.



Interiors of the Morocco Mall in Casablanca. Inside the moucharabieh space dividers in DuPont™ Corian®; photos courtesy of Debovel Maroc, all rights reserved.

Partitions

TAILOR MADE FOR DESIGN

DuPont™ Corian® brings the same beauty to walls and vertical surfaces as it does to countertops, tables, and bars. Endlessly smooth to the touch, a Jali panel in Corian® gives elegance and a reassuring permanence to any space, and, with various creative techniques, such as inlaying, Corian® solid surface can be transformed into a work of art or an information tool. DuPont™ Corian® delivers the ideal combination of functionality and beauty to any high-traffic area, and simply adding a 'wow-factor'.

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To request your Corian® sample please visit www.corian.in
in.dupont.com

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On the cover: The interiors of the Koukjian jewelry store in Beirut, an elegant and luxurious place clad with DuPont™ Corian®, also the work surface of the table is made with Corian®; photo courtesy of SOMA, all rights reserved.



Corian.