

What is Corian®?



DuPont™ Corian® is innovation through beauty, colour and depth. It is strength and purity, reliability and performance. But above all, it is inspiration - a maverick, seamless material that can transform any space, whether for interiors or exteriors, through unlimited possibilities. Corian® brings personality to virtually any type of environment, enhancing and facilitating the lives of those who use and enjoy its unique potential. Crafted into almost anything, in any place, for any purpose and in a wide palette of colours, it offers the freedom to design, explore and create. Long-lasting, hygienic, durable and elegant, DuPont™ Corian® has a three-dimensional formability that has been liberating inventive and artistic minds for over 40 years.

Seamlessness

DuPont™ Corian® is an advanced blend of natural minerals and pure acrylic polymer. It is a synthetic material – born of human imagination and exploration – and the result of a reflection upon the demands of design. To make the most of Corian® in a world of changing environments, fashions and modes of communication, the invitation to designers and architects is to transform this limitless material into a meaningful work of form and function.

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Kitchen

CLEAN, FUNCTIONAL, MODERN

Our kitchens can characterise us, eloquently expressing our rapport with our homes, and with the world around us. Themes can span the spectrum from a minimalist elegance that conceals everything to a “we love to cook” solution where key equipment is openly displayed and celebrated. With its perennially modern personality, DuPont™ Corian® lends itself to almost any style of kitchen design. It permits a fusion of sinks, counters or wall panels without visible seams, offering solutions that are aesthetically harmonious and functionally valuable - with hygiene as a powerful advantage.

Bathroom

WELL BEING, ELEGANCE, DURABILITY

No space in the residential sphere has changed as rapidly or radically as the bathroom. It is a haven within the home that invites an escape from daily life, and a few moments of pampered peace. Corian® can play an integral role in the evolution of the bathroom. With its formability, extensive colour range and warm touch, it lends itself beautifully to the rituals of cleansing wellness and revitalization. What’s more, its resistance to stains, scratches, mould and mildew makes it a practical and sanitary partner.



Food Preparation

EASY TO MAINTAIN, PURE, TASTEFUL

Wherever food is prepared or enjoyed, cleanliness is not an option: it must be optimal. The hygienic, durable and functional properties of Corian® make it ideal for all those realms where food



is king. On another level, manipulating colour, texture and shape is central to creating an appealing sensory ensemble. Nonporous, with no visible seams and warm to the touch, this material immediately inspires a sense of confidence and reliability and is easy to maintain. Conducive to a clean environment, non-toxic, versatile, resistant and repairable: what else is needed from a material to create a modern, elegant and practical food area?

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Design

FLEXIBLE, MALLEABLE, WORKABLE
When a fluid imagination meets the malleability of Corian® extraordinary results can materialise. The natural solidity of Corian® and its ability to be shaped, carved, engraved and combined with other materials enables new perspectives on seating, tables, bookshelves, cabinets and many other pieces. Morphing in three dimensions with curves, sharp corners and organic forms to give meaning to shape, and shape to meaning, Corian® is a blank canvas yearning to be brought to life.



Inside out

INNOVATIVE, DURABLE, IRRESISTIBLE
Whether for exterior cladding or interior decoration, DuPont™ Corian® on vertical surfaces allows designers to opt for pure, clean lines and inventive solutions. The vision for that most basic of needs - shelter - has entered a new era.



The durable, weatherproof qualities of Corian® mean that it can be used to clad a building's exterior as well as for the multiple potential uses on its interior. Combining high performance, with elegant aesthetics and extraordinary versatility of application, Corian® reveals new vistas of possibility for the designer.



Retail

INVITING, PERSONALISED, STRUCTURED
Retail environments can be like theatre. The stage must be set using light, material, colour, and surface treatments. The tactile skin of Corian® is inviting and naturally draws the human hand. Homogenous, translucent and easy to work, it can take on almost any form, be etched to showcase a logo or back-lit to add drama. Multi-talented, DuPont™ Corian® can be cast for store fronts, signage and wall cladding, display cases, counters and checkouts in almost any retail setting. Employ the endless design options of Corian® to establish a sensory enticement of smooth textures, inviting colours, ethereal light effects, striking decoration and pure inspiration.

Photos references:

Cover: "Endless Nile" table design Karim Rashid, Photo courtesy of Karim Rashid Inc.; Back: "le Vase", design Christian Ghion, Photo Leo Torri for DuPont™ Corian®. Kitchen: Wilhelminastraat Amsterdam, private apartment, design Hofman Dujardin Architecten, Netherlands, Photo courtesy of Hofman Dujardin Architecten. Bathroom top: Five-sensotel, design Yasmine Mahmoudieh, Photo DuPont™ Corian®; Bathroom bottom: Shower tray, "Joan Font" collection, design Joan Font, Nexa Arquitectonica, Photo courtesy of Nexa Arquitectonica. Food top: Gaya Restaurant, design Christian Ghion, Paris, Photo Jacques Gavard; Food bottom: Acafé (Autogrill), Colli & Galliano architetti, Termini railway station, Rome, Photo Arch. L.Filetici. Design top: Foliage bed, design Ilaria Marelli, Photo Sabine Schweigert for DuPont™ Corian®; Design bottom: Tete-a-tete rocking chair, design Laurie Beckerman, Photo Ken Cox. Inside Out top: Seeko'o Hotel, Atelier d'architecture King Kong, Bordeaux, France, Photo Arthur Péquin; Inside Out bottom: Chantal Thomass' flagstore, design Christian Ghion, Paris, Photo Jean-Pierre Delagarde for DuPont™ Corian®. Retail: Rendez-Vous Toyota showroom, design Ora-Ito, Paris, Photo Luc Boegly. Lighting solutions top: Borlind City Spa (corso Como, Milan), design Burk Architekten, Milan, Photo courtesy of Moser GmbH; Lighting solutions bottom: Nautiloo lamp, design Delta Light®, photo courtesy of Delta Light®. Offices, Steinbeck Architekten. Healthcare: Rotkreuzspital, Zürich. Maternity Ward. Transportation: Sweden 54 by Sweden Yachts AB; photo courtesy of Sweden Yachts AB. Hotels: Adam & Eve Hotels, Belek, Turkey, Photo DuPont™ Corian®. Public Spaces: Urban, design Gen Kumagai, Eiki Dandsuka / Earthcape Inc., Lazona Kawasaki Plaza, Tokyo Kawasaki/Kanagawa, photo Yoshihito Imaeda. Intelligent Surfaces top: Kitchen island, design Zaha Hadid, "Z.Island by DuPont™ Corian™", Photo Leo Torri for DuPont™ Corian®; Intelligent Surfaces bottom: Briza radiator, design James Davis, Jaga, Photo Francesco Brigida for DuPont™ Corian®.



Lighting Solutions

BRIGHT, LUMINOUS, SHINING

Translucent in certain colours and thicknesses, DuPont™ Corian® reveals its full radiance and depth when exposed to light. This quality lends Corian® not only to the creation of atmospheric room-lighting, but also to sensuously shaped lamps, dramatically illuminated furniture, and luminous objects featuring a breathless range of surface effects. DuPont™ Corian® has recently introduced the Illumination Series of colour choices with added translucency to give even greater scope for combining Corian® with stunning backlighting solutions.



Offices

DURABLE, ERGONOMIC, EASY TO CLEAN

Work surfaces are an integral part of life's labours. Serving as a resting places for all manner of equipment, these surfaces also must be appealing to human touch, and even conducive to an atmosphere of creative thought. Interaction between co-workers is mediated by their physical environment, so a friendly, solid, beautiful, durable material which can be ergonomically shaped, is a key resource for fostering a healthy working environment and encouraging team spirit. Colour can influence mood and productivity and the extensive palette of DuPont™ Corian® offers a broad chromatic spectrum to choose from, yet the material also brings a modern, businesslike, attitude and is sufficiently tough to withstand the daily rigours of office life. Suitable for all types of surfaces, from desktops to meeting tables to kitchenette areas, Corian® is impermeable to ink and coffee stains and is easy to clean.

Healthcare

HYGIENIC, WARM TO THE TOUCH

We live in an era of unprecedented medical advances and nothing is more precious than health. Non-toxic, non-porous and warm to the touch of DuPont™ Corian® offers characteristics that make it an excellent resource for healthcare environments -from operating theatres to reception areas - as well as for patient bathrooms and laboratories. Exceptionally easy to clean and maintain, and joined in a way that creates functionally seamless surfaces, Corian® does not support the growth of mould, mildew or bacteria, thereby reducing the risk of cross-infection and hospital-borne illnesses. It can be easily formed into ergonomic designs, for example to safely accommodate wheelchairs. Last but not least, its range of colours helps to create a comfortable environment where both medical staff and patients can feel at ease.

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Public Spaces

WELCOMING, INNOVATIVE

Museums, shopping centres, airport lounges, meeting points: Corian® fits in and functions superbly in all these spaces. Its longevity and ability to be repaired means it can stand up to constant use and even occasional abuse, while its beauty, flexibility of design and rich chromatic range allow designers to add individuality.



Transportation

RESISTANT, CLEAN, PERSONALISED
Nautical environments can be testing, requiring great resilience from mariners and materials alike. Even in the glamorous world of mega yachts and luxury cruising, robust durability is as critical as beautiful form and finish. DuPont™ Corian® can be cut, shaped and joined to adapt precisely to the compact spaces found on boats and to create unique, customised touches conveying the identity of the ship owner or the shipping company. Waterproof, naturally impermeable and resistant to extreme weather, it is the high-performance interior surface of choice for cruise ships, ferries, luxury yachts, naval vessels, houseboats, offshore platforms, sailboats and powerboats.



Hotels

INVITING IDENTITY
Today, personal travel for work or pleasure is a linchpin in the planet's economy. When we travel, we seek a home away from home. We want hi-tech perfection, but it has to be convenient. Easy to clean and durable, yet naturally welcoming in its range of colours and warm to the touch, Corian® is a trusted partner for the hotel industry. Whether used to create an identity through a bathroom vanity, guestroom tabletop or reception counter, DuPont™ Corian® performs, day after day. Its solidity, durability and lack of visible seams guarantee easy maintenance and hygiene. Even on your travels, come home to DuPont™ Corian®.



Intelligent Surfaces

HOME AUTOMATION
There is a new dimension to the interface between man and material. Now we can interact digitally with the furniture, fixtures and fittings in our homes. The capability of embedding touch sensors into DuPont™ Corian® enables designers to experiment with a unique type of interaction in numerous environments. Touch base with smooth, silky surfaces made of DuPont™ Corian® that can also react to your commands. Corian® enables designers to create aesthetically-pleasing, responsive surfaces that serve the human being in ever-evolving possibilities.



What is Corian®?

DuPont™ Corian® is a solid, non-porous, homogeneous surfacing material composed of $\pm 1/3$ acrylic resin (also known as PolyMethyl MethAcrylate or PMMA) and $\pm 2/3$ natural minerals. The main mineral is Aluminium TriHydrate(ATH) derived from bauxite, an ore from which aluminium is produced.

RESISTANT

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 wear and tear. 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 the results of these specific tests as well as details on 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 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.

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.

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.

SOLID

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

INCONSPICUOUS JOINTS

The applications for DuPont™ Corian® are limited only by your own 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 easily made in pieces in a workshop and then joined together at the installation site. Edges can be built up to look 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 colours as well as with thinner sheets. Many designers are now using the material to create lamps or lighting effects in various applications. The colour family, called the Illumination Series, consists of 6 colours 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.

COLOURFUL

The colours of Corian® allow for an almost unlimited working palette. You can choose a single colour; 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 like metal, wood, stone, etc.

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. Both the material itself and the adhesives and sealants used to install it are GREEN GUARD Indoor AirQuality Certified® as producing low VOC emissions.

For additional information
Please contact the Corian® team
on 1300 795 044 or visit www.corian.com.au



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