



CORIAN® IN HEALTHCARE

THE IDEAL SURFACING SOLUTION FOR TODAY'S HEALTHCARE ENVIRONMENT



SINCE 1967

In designing for today's demanding healthcare facilities, every surface needs to deliver on both design and performance.



CORIAN® SOLID SURFACE : THE IDEAL SURFACE

Corian® Design surfaces give a designer freedom to make form and colour choices that combine high style with low maintenance, to design and deliver environments that are more durable, easier to clean, and contribute to sustainable building design.



WITH PROPER CLEANING, DOES NOT SUPPORT MICROBIAL GROWTH

Corian® Solid Surface is a non-porous, homogeneous surface that does not support microbial growth, and this property is paramount when designers, hospital owners and consultants are looking for materials which can help reduce life span costs of facilities and keep them functional to accommodate future expansions.



SOLUTIONS MADE TO MEASURE

Corian® Solid Surface helps deliver customized solutions that solve a number of design challenges & limitations and can be used in varied horizontal and vertical applications.



DURABLE

Stands up to heavy use.



RESTORABLE

Marks and scratches can be removed easily.



EASE OF MAINTENANCE

Corian® Solid Surface with its non-porosity and inconspicuous seams in both vertical wall claddings and horizontal applications is designed for seamless integration with no crevices to trap dirt and contaminants. Corian® Solid Surface with minimal maintenance will retain its look as new for years.



WARM AND INVITING

Corian® Solid Surface offers an array of colours that help build aesthetically pleasing environments for patient recovery.



TRUSTED AND SUPPORTED

Your Corian® Solid Surface comes with the protection of a Limited Product Warranty, backed by a company with a sterling reputation, and a legacy of over 50 years in the surfaces business.



CONTRIBUTES TO SUSTAINABLE DESIGN

Corian® Solid Surface is committed to the environment and sustainability and drives toward a goal of zero waste generation at the source, and zero emissions. Corian® Solid Surface and its adhesives and sealants are low VOC, nontoxic and nonallergenic to humans.

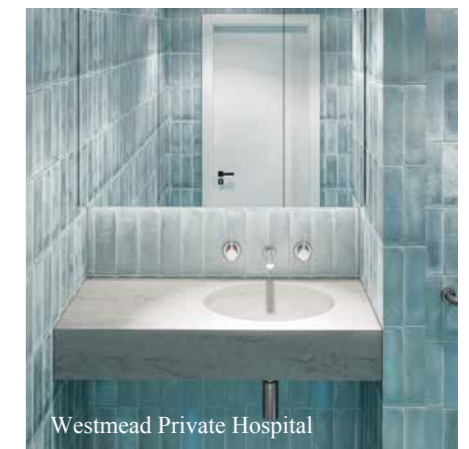
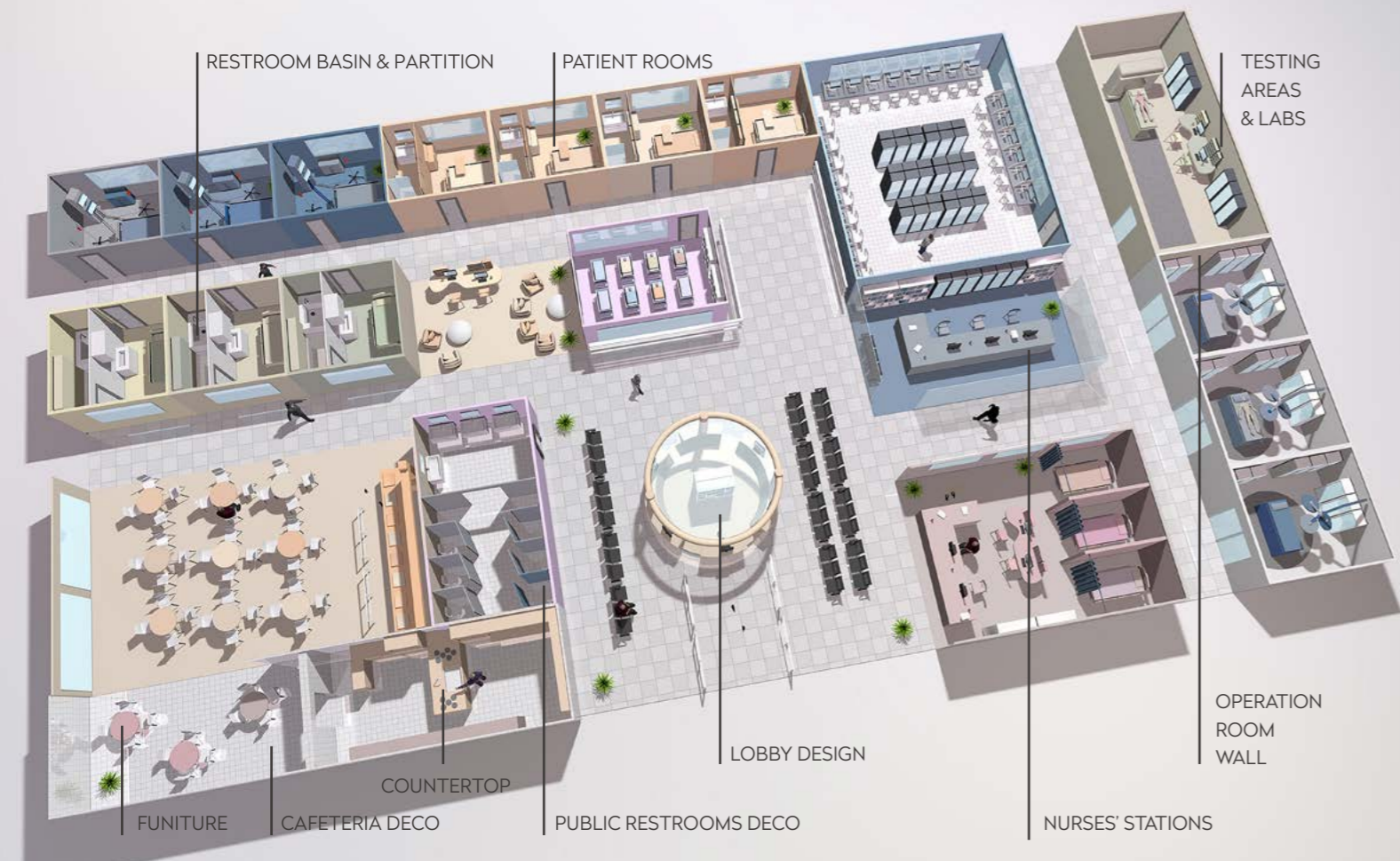


PROBLEM / CHALLENGE

Around the world, many patients acquire Nosocomial infections or hospital acquired infections during a hospital stay. The immediate need is to build a comfortable and inviting hospital environment for both patients and staff, that is clean, hygienic, fresh, relaxing and helps clinicians enhance patient recovery.

SOLUTION DRIVEN BY SCIENCE & TECHNOLOGY:

Corian® Solid Surfaces has inherent properties that make it non-porous and homogenous, and when properly cleaned does not support the growth of mould, mildew or bacteria. This helps to prevent any cross contamination and reduces spread of infection in healthcare spaces. Corian® Solid Surfaces offer functional and aesthetic surfaces that meet the highest and stringent standard requirements in healthcare environment.



NURSES' STATIONS

Corian® Solid Surface can be shaped and thermoformed to create multiple workspaces at one station, and comes in a wide variety of colours that can be combined to form unique patterns and inlays. Computers and other technology can be integrated directly into Corian® Solid Surface.

HALLWAY

Corian® Solid Surface can meet the demand for a highly durable surface that can withstand frequent contact with beds, wheelchairs and medical equipment during patient transport.

PATIENT ROOMS

Corian® Solid Surface delivers style and superior durability for bathroom sinks, vanities, shower walls, counters, bed tray tables, windowsills, and desks.

A WALK THROUGH THE HOSPITAL



CAFETERIA & FOOD SERVICE

In addition to helping create beautiful, restaurant inspired settings, Corian® Solid Surface is heat and scratch resistant.

INTEGRATED RESTROOMS

With a nonporous surface that's both easy to clean and renew, Corian® Solid Surface is an ideal choice for sinks, vanities, countertops and toilet partitions, all of which makes an integrated restroom.



TESTING AREAS & LABS

Corian® Solid Surface can stand up to harsh chemicals without deteriorating, and can resist stains from common lab agents including blood, plasma, and Wright's stain and X-ray developer.



MAIN LOBBY

Corian® Solid Surface helps create spaces which are durable, warm and inviting. At the heart of any facility is the patient comfort and Corian® Solid Surface helps designers achieve this. The functional and aesthetic properties of Corian® Solid Surface combined deliver the best in class hospitable spaces.



DOCTOR SURGICAL SCRUBS

One of the most sought-after applications of Corian® Solid Surface in the healthcare spaces is with surgical scrub basins. (hand wash areas). The features such as inconspicuous seams, formability and non-porosity offer the product features necessary to contribute to a clean, hygienic environment which is stain resistant, germ free and easy to maintain and clean. The ergonomic curves which are possible to achieve with Corian® Solid Surface help doctors wash their hands effortlessly and simultaneously minimising the splash.

COUNTERTOP AND SINK IN ONE PIECE

The joint between the countertop and the sink can also bring the risk of harbouring hazardous microorganisms due to the joint being exposed to high humidity and grease which is often difficult to access with cleaning tools. By using Corian® Solid Surface and Corian® sinks in combination, such joints are well sealed and become inconspicuous, or even eliminated when the countertop and the sink are thermal-formed via one press.

NEONATAL & PEDIATRICS

Corian® Solid Surface comes in many fun and bright colours to help stimulate early childhood development and create a welcoming environment. It can be thermoformed into unique shapes to create “larger than life” pediatrics play areas. With its superior durability, Corian® Solid Surface is also easy to clean, featuring inconspicuous seams that help prevent the growth of mould, mildew and bacteria.

An infant bathtub is expected to be non-toxic, skin-friendly, and easy to clean – exactly how Corian® Solid Surface is designed to be.

HIGH EXPECTATIONS, HIGHER PERFORMANCE

You don't have to trade beauty for hygienic performance. With stunning simplicity and a perfectly nonporous design, Corian® Solid Surface are easy to clean, resistant to bacteria and exceed expectations. Changes can certainly be made in a challenging period when infection control is a significance.

NON-POROUS SURFACE

Corian® Solid Surface does not sustain the growth of bacteria, fungi, and mould, thanks to its non-porous microscopic structure that does not harbour these microorganisms nor food residuals to support their reproduction. Coronavirus will not infiltrate into the Corian® Solid Surface due to the dense surface of the solid material and the absence of any joints or pore structure. Corona Virus that already exists on Corian® solid surface can be removed easily and quickly following the recommended cleaning procedure.

INCONSPICUOUS SEAM

Very often, the seams between panels is an even greater concern regarding the prevention of microorganism growth. Corian® Solid Surface presents an inconspicuous seam installation technique to keep the surface away from mouldy seam lines, for a living space of beauty and good hygiene condition.





OPERATING ROOMS (OR'S)

The heart of any hospital is its operating room. Today the challenge for any hospital surgeon is minimising the downtime needed for cleaning and reducing the risk of hospital acquired infections. Corian® Solid Surface is the material of choice for wall cladding and ceilings for OR's as it offers large panels with inconspicuous seams which are easy to maintain and clean, and resist stains common to OR's such as blood, betadine and gentian's violet. Corian® Solid Surface is proven stable against commonly used cleaning agents and UV disinfectants in the OR's . The healing colours of Corian® Solid Surface in an OR help reduce the monotony and claustrophobia which is very common with traditional materials if used in OR walls.

The properties of Corian® Solid Surface also offer the flexibility to make any changes on the wall and ceiling surfaces without compromising the integrity of the OR, thus making it modular in a true sense.

CORIAN® SOLID SURFACE IS YOUR ULTIMATE ALLY IN PREVENTING CONTAMINATIONS

STAIN RESISTANCE AND DECONTAMINATION

Corian® Solid Surface delivers superior stain resistance. In addition, Corian® Solid Surface can be easily cleaned of excessive levels of radioactive contamination.

X-RAY ENVIRONMENTS

Gentle sanding with fine sandpaper followed by treatment with an approved radioactive decontaminant product effectively reduces radioactive contamination to "unrestricted" levels in X-ray environments. Following this process, the contamination is reduced to below tolerance levels required for "free access" zones that do not require protective equipment. Corian® Solid Surface installations show no visual signs of discolouration or delamination like other materials do in X-ray environments.

EFFECTIVE CLEANSING OF HIV

Corian® Solid Surface is a non-porous material that can be cleansed easily of the human immunodeficiency virus (HIV). Tests performed by the DuPont Applied Biotechnology Group show that high concentrations of HIV can be removed from the surface of Corian® Solid Surface by rinsing with a diluted solution of household bleach.

REDUCTION OF CROSS-CONTAMINATION

Corian® Solid Surface is non-porous and with proper cleaning can help reduce the possibility of cross-contamination in all high-use areas. When properly cleaned, it does not promote the growth of mould or mildew and is easy to clean and disinfect using industry standard solutions.

COMPATIBLE WITH CLEANING DISINFECTANT EFFECTIVE AGAINST COVID-19 DISEASE

Corian® Solid Surface has been tested to be compatible with a variable range of healthcare cleaning disinfectants and house-hold cleaning agents. Following the guidance, Corian® Solid Surface is easily cleaned and sterilised without being damaged.

Corian® Solid Surface has been shown to be compatible with the current products listed by the U.S. Environmental Protection Agency (EPA) to be effective against the SARS-CoV-2 virus, which causes the COVID-19 disease. You can find the product list here: <https://www.americanchemistry.com/Novel-Coronavirus-Fighting-Products-List.pdf> It is imperative to follow the manufacturer`s use-dilution and application directions to achieve proper disinfection.

	Ceramic Tile with Grout	Concrete (Cast-in-Place Sealed)	Granite (Sealed)	Laminate	Marble	Paper Composite	Corian® Solid Surface	Stainless Steel	Terrazzo	Quartz	Wood
Appearance											
Colours	5	5	5	5	4	2	5	2	4	4	3
Unique Pattern	5	5	5	2	5	2	5	1	5	2	5
Consistent Pattern	3	2	2	5	2	5	5	5	3	4	2
Seam Quality	N/A	5	3	2	2	3	5	5	3	4	3
One Piece Appearance	2	5	2	2	2	3	5	5	2	3	3
Durability											
Scratch Resistant	5	5	5	3	3	3	3	2	5	5	2
Stain Resistant	1	5	4	3	1	3	5	5	5	4	1
Chip Resistant	1	3	3	5	3	5	4	5	2	4	5
Heat Resistant	5	5	5	3	4	3	3	5	5	4	1
Household Chemical Resistant	5	5	2	3	3	INQUIRE	4	5	2	3	1
Easy to Maintain	2	3	4	4	2	4	4	4	3	5	2
Repairability	4	2	1	1	1	1	5	5	1	3	3
Non-Porous (Will not absorb moisture)	1	5	4	3	1	5	5	5	4	5	1
Renewable Surface	2	2	2	1	2	5	5	3	2	3	5
Requires Periodic Sealing	YES	YES	YES	NO	YES	YES	NO	NO	YES	NO	YES
Options											
Undermount Sink	YES	YES	YES	YES	YES	YES	YES	NO	YES	YES	YES
Seamed In Sink Option	NO	YES	NO	NO	NO	NO	YES	YES	NO	NO	NO
Cove(one piece backsplash)	YES	YES	NO	YES	NO	NO	YES	YES	NO	NO	NO
Value											
Manufacturer Warranty	NO	INQUIRE	INQUIRE	YES	NO	YES	YES	NO	INQUIRE	YES	INQUIRE
NSF Certifi	NO	NO	NO	NO	NO	INQUIRE	YES	YES	INQUIRE	NO	NO

CERTIFICATIONS & TEST REPORTS

- The hygienic performance of Corian® Solid Surface has also been certified by independent German organization LGA QualiTest GmbH. A stringent range of tests assessing stability against bacteria and fungi, ease of cleaning and design rating from a hygiene standpoint, showed that Corian® Solid Surface was superior to many conventional materials used in healthcare.
- TCorian® Solid Surface is also certified as low VOC emitting materials by the GREENGUARD® Environmental Institute, an ANSI Authorised Standards Developer establishing indoor air standards for indoor products and buildings. Corian® Solid Surface is also GREENGUARD® Listed for microbial resistance.
- Corian® Solid Surface meets all the 18 characteristics of a preferred surface as defined in the 2006 Guidelines for Design and Construction of Healthcare Facilities, published by Facilities Guideline Institute and AIA.
- Corian® Solid Surface has been evaluated in accordance with ANSI/UL Standard 723 Test for Surface Burning Characteristics of Building Materials by the Underwriters Laboratory, Inc., an independent product safety certification organisation.



Parameter	Standard	Material	Class / Result
Flammability	NFPA 101 Life Safety Code	Corian® Solid Surface 6mm & 12mm	Class A
Flame Spread Index	ANSI/UL Standard 723 (ASTM E84, NFPA 255)	Corian® Solid Surface 6mm & 12mm	FSI < 25
Smoke Developed Index	ANSI/UL Standard 723 (ASTM E84, NFPA 255)	Corian® Solid Surface 6mm & 12mm	SDI < 25

- Corian® Solid Surface is NSF/ANSI 51 Certified for food contact. NSF is a not-for-profit, non-governmental organisation certifying products and setting standards for food, water and consumer goods.

MORE INFORMATION, PLEASE VISIT: WWW.CASF.COM.AU